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OM nucleic - nucleic search, using sw model

Run on: June 15, 2005, 06:46:34 ; Search time 537 Seconds
(without alignments)
10390.510 Million cell updates/sec

Title: US-09-605-783A-110

Perfect score: 3410

Sequence: 1 ggggaaccagctgcacgcgc.....aaaaataaaaaa 3410

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3409.6	100.0	3410	3	US-09-020-956-110
2	3409.6	100.0	3410	3	US-09-030-607-110
3	3409.6	100.0	3410	3	US-09-439-313-110
4	3409.6	100.0	3410	3	US-09-352-616A-110
5	3409.6	100.0	3410	3	US-09-602-877A-100
6	3409.6	100.0	3410	3	US-09-232-149A-110
7	3409.6	100.0	3410	4	US-09-159-812-110
8	3409.6	100.0	3410	4	US-09-636-215-110
9	3409.6	100.0	3410	4	US-09-685-166A-110
10	3409.6	100.0	3410	4	US-09-115-453-110
11	3409.6	100.0	3410	4	US-09-688-489-110
12	3409.6	100.0	3410	4	US-09-679-426-110
13	3409.6	100.0	3410	4	US-09-759-143-110
14	3409.6	100.0	3410	4	US-09-651-236-110
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16	2585.4	75.8	4034	4	US-09-685-166A-704
17	2585.4	75.8	4034	4	US-09-679-426-704
18	2585.4	75.8	4034	4	US-09-759-143-704
19	2585.4	75.8	4034	4	US-09-651-236-704
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21	2196.4	64.4	2904	4	US-09-685-166A-703
22	2196.4	64.4	2904	4	US-09-679-426-703
23	2196.4	64.4	2904	4	US-09-759-143-703
24	2196.4	64.4	2904	4	US-09-651-236-703
25	2142.8	62.8	4894	4	US-09-636-215-702
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27	2142.8	62.8	4894	4	US-09-679-426-702

28	2142.8	62.8	4894	4	US-09-759-143-702	Sequence 702, App
29	2142.8	62.8	4894	4	US-09-651-236-702	Sequence 702, App
30	2136.4	62.7	2152	3	US-09-071-710-16	Sequence 16, Appl
31	2136.4	62.7	2152	3	US-09-525-397-16	Sequence 16, Appl
32	2114.8	62.0	2143	3	US-09-071-710-15	Sequence 15, Appl
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34	1815.8	53.2	6976	4	US-09-636-215-705	Sequence 705, App
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38	1815.8	53.2	6976	4	US-09-651-236-705	Sequence 705, App
39	794.6	23.3	1203	4	US-09-636-215-851	Sequence 851, App
40	794.6	23.3	1203	4	US-09-685-166A-851	Sequence 851, App
41	794.6	23.3	1203	4	US-09-679-426-851	Sequence 851, App
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43	794.6	23.3	1203	4	US-09-651-236-851	Sequence 851, App
44	673.4	19.7	789	3	US-09-020-956-10	Sequence 10, Appl
45	673.4	19.7	789	3	US-09-030-607-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-020-956-110

Query Match 100.0%; Score 3409.6; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2
US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,352
; REFERENCE/DOCKET NUMBER: 210121.42703
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-030-607-110
Query Match 100.0%; Score 3409.6; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACAGGCTGCACGCGCTGGCTCCGGGTGAAGCCGCGCGCTCGGCAGGATCTGA 60
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 Db 1021 CCGCTTGGCTTCCGGAACCTGGGCGCTGCTTCCCGGCTGCAACCAAGCTGTGCTGCG 1080
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 Db 1861 TGCCGAGGCTGGTCTGCTGCGCATTTACTTGTCTACACAGGTAGTATTTGACAAGAG 1920
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 Db 1921 CGACTTGGCCAAATACCTCAGCGTAGAAAATCTTCCAGCACAATTGGGGTGGAGGCCCTGCT 1980
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 Db 2041 TTCTGTTGCTGCCAAAAGTAAATGTGCTCTCTGCTGCCACCTGCTGCTGCTGAGGTGCTGA 2100
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Db 3241 TAGCGGGGTGAATATTTATATCTTAAGTGGCCGTTTGGCAATAATGTTTATGTTGACA 3300
Qy 3301 AAAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Db 3301 AAAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Qy 3361 AAAAAAARAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3410
Db 3361 AAAAAAARAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3410
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RESULT 4

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US-09-352-616A-110
; Sequence 110, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110
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Query Match 100.0%; Score 3409.6; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 GTGATGAGACGTGTCTCCCACTGAGGTGCCCAACAGCAGCAGGTGTGAGCATGGGCTGAG 120
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Qy 121 AAGCTGAGCCGGCAACCAAGGCTGGCAGAAATGGGCGCCTGGCTGATTCCTAGGCAAGTT 180
Db 121 AAGCTGAGCCGGCAACCAAGGCTGGCAGAAATGGGCGCCTGGCTGATTCCTAGGCAAGTT 180
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Qy 241 GAGTGCCCTGAAACGGCCCCCTGAGCCCTAACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300
Db 241 GAGTGCCCTGAAACGGCCCCCTGAGCCCTAACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300
Qy 301 GGTGAGCGCGCTGCTGGGCAACCGGAAAGCCAGCTCTTGCTGTGCTCAACCTGCTAACCTT 360
Db 301 GGTGAGCGCGCTGCTGGGCAACCGGAAAGCCAGCTCTTGCTGTGCTCAACCTGCTAACCTT 360
Qy 361 TGGCCTGAGAGTGTGTTTGGCCGAGGACATACCTATGTGCCGCTCTGCTGCTGGAAGT 420
Db 361 TGGCCTGAGAGTGTGTTTGGCCGAGGACATACCTATGTGCCGCTCTGCTGCTGGAAGT 420
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Db 601 CGGCTGCTAGCAGGCTGCTGTGCCGGAATCCAGGCCCTCTGAGCTGGCACTGTCTCAT 660
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Db 661 CTTGGGCGTGGGCTGCTGAGCTTCTGTGGCCAGTGTGCTTCACTCCATCGGAGGCGCT 720
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Db 721 GCTCTCTGACCTCTTCCGGGACCCGAGCCTGTCGCGCAGGCTTACTGTGCTATGCTT 780
Qy 781 CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCCATTTGACTGGGACACAG 840
Db 781 CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCCATTTGACTGGGACACAG 840
Qy 841 TSCCTTGGCCCCCTACTCTGGGCAACCGAGAGGAGTGTCTTGGCTGTGCTCACTCAT 900
Db 841 TSCCTTGGCCCCCTACTCTGGGCAACCGAGAGGAGTGTCTTGGCTGTGCTCACTCAT 900
Qy 901 CTTCTCACCTGCTAGCAGCCACACCTGCTGGGCTGAGGAGGAGTGTCTTGGCTGTGCTCACTCAT 960
Db 901 CTTCTCACCTGCTAGCAGCCACACCTGCTGGGCTGAGGAGGAGTGTCTTGGCTGTGCTCACTCAT 960
Qy 961 CGAGCCAGCAGAGAGGCTGTGCGCCCCCTCTTGTGCGCCCCCTGCTGTGCTGTGCTGCGGCG 1020
Db 961 CGAGCCAGCAGAGAGGCTGTGCGCCCCCTCTTGTGCGCCCCCTGCTGTGCTGTGCTGCGGCG 1020
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Db 1201 AGCTGAGCCGGGACCGAGGCCCGGAGACATATGATGAAGGGCTTCCGATGGGACGCT 1260
Qy 1261 GGGGCTGTTCTCTGAGTGGCCCATCTCCCTGGTCTTCTCTCTGCTCATGACAGCGGCTGGT 1320
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Qy	241	GAGTGCCTGAACGGGCCCTCTGAGCCCTACCCGCTTGGCCCACTATGGTCCAGAGGCTGTG	300
Db	241	GAGTGCCTGAACGGGCCCTCTGAGCCCTACCCGCTTGGCCCACTATGGTCCAGAGGCTGTG	300
Qy	301	GGTGAGCCGCTGCTGCGGCAACGGAAAGCCAGCTTGTCTGGTCAACCTGCTAACCTT	360
Db	301	GGTGAGCCGCTGCTGCGGCAACGGAAAGCCAGCTTGTCTGGTCAACCTGCTAACCTT	360
Qy	361	TGGCCTGAGAGTGTGTTTGGGCGCAGGCAATCACCTATATGTGCGCCTCTGCTGCTGGAAGT	420
Db	361	TGGCCTGAGAGTGTGTTTGGGCGCAGGCAATCACCTATATGTGCGCCTCTGCTGCTGGAAGT	420
Qy	421	GGGGGTAGAGAGAAAGTTTCATGAACAATGGTGTCTGGCAATTGGTCCAGTGTCTGGGCTTGGT	480
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Qy	481	CTGTGTCCCGCTCTAGCTCAGCCAGTGAACAATGGGCTGGACGCTATGGCGCGCGCGG	540
Db	481	CTGTGTCCCGCTCTAGCTCAGCCAGTGAACAATGGGCTGGACGCTATGGCGCGCGCGG	540
Qy	541	GCCCTTCATCTGGGCACATGCTCTTGGGCATCTGCTGAGCCTCTTTTCTCATCCCAAGGCG	600
Db	541	GCCCTTCATCTGGGCACATGCTCTTGGGCATCTGCTGAGCCTCTTTTCTCATCCCAAGGCG	600
Qy	601	CGGCTGGCTAGCAGGGCTGTGTGCCGGAATCCAGGCCCTGGAGCTGGCACTGCTCAT	660
Db	601	CGGCTGGCTAGCAGGGCTGTGTGCCGGAATCCAGGCCCTGGAGCTGGCACTGCTCAT	660
Qy	661	CTTGGGCTGGGGCTGTGTGACTTCTGTGGCAGGTGTCTCACTCCACTGGAGGCGCT	720
Db	661	CTTGGGCTGGGGCTGTGTGACTTCTGTGGCAGGTGTCTCACTCCACTGGAGGCGCT	720
Qy	721	GCTCTCTGACCTCTTCCGGGACCGGACCACTGTGCGCAGGCTACTCTGTCTATGCGCTT	780
Db	721	GCTCTCTGACCTCTTCCGGGACCGGACCACTGTGCGCAGGCTACTCTGTCTATGCGCTT	780
Qy	781	CATGATCAGTCTTGGGGGCTGCCCTGGGCTACTCTCTGCTGCCATTGACTGGGACACAG	840
Db	781	CATGATCAGTCTTGGGGGCTGCCCTGGGCTACTCTCTGCTGCCATTGACTGGGACACAG	840
Qy	841	TGCCCTGGCCCCCTACCTGGGCAACCCAGAGAGTGCTCTTTGGCCTGTCTCACCTCAT	900
Db	841	TGCCCTGGCCCCCTACCTGGGCAACCCAGAGAGTGCTCTTTGGCCTGTCTCACCTCAT	900
Qy	901	CTTTCCTCACCTGTAGCAGCAACTGCTGGTGGCTGAGAGGCGGCTGGGCGCCAC	960
Db	901	CTTTCCTCACCTGTAGCAGCAACTGCTGGTGGCTGAGAGGCGGCTGGGCGCCAC	960
Qy	961	CGAGCCAGCAGAAAGGGCTGTGGGCCCTCTCTGTGCGCCCACTGTCTGTCCATCCCGGGG	1020
Db	961	CGAGCCAGCAGAAAGGGCTGTGGGCCCTCTCTGTGCGCCCACTGTCTGTCCATCCCGGGG	1020
Qy	1021	CCGCTTGGCTTTCCGGAACCTGGGCGCCCTGCTTTCCCGGCTGACAGCTGTGCTCGG	1080
Db	1021	CCGCTTGGCTTTCCGGAACCTGGGCGCCCTGCTTTCCCGGCTGACAGCTGTGCTCGG	1080
Qy	1081	CATGCCCGGCAACCTGGCGCGGCTCTTGGTGGCTGAGCTGTGCACTGGATGGCACTCAT	1140
Db	1081	CATGCCCGGCAACCTGGCGCGGCTCTTGGTGGCTGAGCTGTGCACTGGATGGCACTCAT	1140
Qy	1141	GACCTTTCACGCTGTTTTACAGGAATTTCTGGTGGAGGGGCTGTACCAAGGGCGTGGCCAG	1200
Db	1141	GACCTTTCACGCTGTTTTACAGGAATTTCTGGTGGAGGGGCTGTACCAAGGGCGTGGCCAG	1200
Qy	1201	AGCTGAGCCGGGCAACCGAGGCCCGGAGACACTATGATGAAGGCGTTCGGATGGGCGAGCCT	1260
Db	1201	AGCTGAGCCGGGCAACCGAGGCCCGGAGACACTATGATGAAGGCGTTCGGATGGGCGAGCCT	1260
Qy	1261	GGGGCTGTCTCTGAGTGGCCATCTCCCTGGTCTTCTCTGTGTCTATGGAACGGGCTGGT	1320
Db	1261	GGGGCTGTCTCTGAGTGGCCATCTCCCTGGTCTTCTCTGTGTCTATGGAACGGGCTGGT	1320

Qy	1321	GCAGCGATTTGGCACA	CTCGAGCAGTCTA	TTTGGCCAGTGTGGCAGCTT	TCCCTGTGCTGC	1380	
Db	1321	GCAGCGATTTGGCACA	CTCGAGCAGTCTA	TTTGGCCAGTGTGGCAGCTT	TCCCTGTGCTGC	1380	
Qy	1381	CGGTGCCACATG	CTCTGTCGCCAC	AGTGTGGCCGTGGT	TGACAGCTT	CACAGCGCCCTCACCGG	1440
Db	1381	CGGTGCCACATG	CTCTGTCGCCAC	AGTGTGGCCGTGGT	TGACAGCTT	CACAGCGCCCTCACCGG	1440
Qy	1441	GTTTCACCTTCT	CAGCCCTGCAGAT	CTCTGCCCTACAC	ATGCGCCCTCCCT	TACCAACCGGGA	1500
Db	1441	GTTTCACCTTCT	CAGCCCTGCAGAT	CTCTGCCCTACAC	ATGCGCCCTCCCT	TACCAACCGGGA	1500
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Db	1501	GAAGCAGGTGT	TCTTGC	CCAAATACGAGGGGACA	CTGAGAGTGT	TAGCAGT	1560
Qy	1561	CCTCATCACCAG	CTTCTG	CCAGGCCCTA	AGCCCTGAGAGCT	CCCTTCCCTAAT	1620
Db	1561	CCTCATCACCAG	CTTCTG	CCAGGCCCTA	AGCCCTGAGAGCT	CCCTTCCCTAAT	1620
Qy	1621	GGGTGCTG	GAGGAGTGGCC	TGCTCCACACCT	CACCCGCGCT	CTTGGGGG	1680
Db	1621	GGGTGCTG	GAGGAGTGGCC	TGCTCCACACCT	CACCCGCGCT	CTTGGGGG	1680
Qy	1681	TGATGTCT	CCGTACGTGTGT	GTGGT	GAGCCACCGAGG	CCAGGCTGGT	1740
Db	1681	TGATGTCT	CCGTACGTGTGT	GTGGT	GAGCCACCGAGG	CCAGGCTGGT	1740
Qy	1741	GGGCATCTG	CTGACCTCG	CCATCTTGGAT	AGTGCCTTCT	TCCCAGGTGGCCCC	1800
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Db	1801	ATCCCTGT	TTATGGGCT	TCCATGCT	CCAGCTC	AGCCAGTCTGT	1860
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Db	1861	TGCCG	CAGGCTCGGTCT	GCTGCCATTTA	CTTTGTCTAC	AGGTAGTATTTG	1920
Qy	1921	CGACTTGG	CCAAATACTC	AGCGTAGA	AAACTTCC	AGCACA	1980
Db	1921	CGACTTGG	CCAAATACTC	AGCGTAGA	AAACTTCC	AGCACA	1980
Qy	1981	CAC	TGGGTCC	CAGCTCC	CCGCTCCTGT	TAGCCCA	2040
Db	1981	CAC	TGGGTCC	CAGCTCC	CCGCTCCTGT	TAGCCCA	2040
Qy	2041	TTCTGT	TGCTGCC	AAAGTAAT	GTGGCTCT	CTGCTGCC	2100
Db	2041	TTCTGT	TGCTGCC	AAAGTAAT	GTGGCTCT	CTGCTGCC	2100
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Qy	2161	ACT	GGGGCTTCC	AAAGGGGTTT	CAGCTT	GGAGTATA	2220
Db	2161	ACT	GGGGCTTCC	AAAGGGGTTT	CAGCTT	GGAGTATA	2220
Qy	2221	ATG	CATGGA	ATCGGG	AGCTCTG	CAGGTGG	2280
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Qy	2401	TTTCT	TAGGATGA	AACTCCT	CTC	ATGGA	2460

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QY 3361 AAA 3410
Db |||||||

RESULT 9

US-09-685-166A-110
; Sequence 110, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: PaetSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-110

Query Match 100.0%; Score 3409.6; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGGAAACAGCTGACGCGCTGGCTCCGGGTGACAGCCGCGCTCGGCCAGGATCTGA 60
Db |||||||

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Db |||||||

QY 61 GTGATGAGACGTGTCCCACTGAGGTGCCCCACAGCAGAGGTGTGAGCATGGGCTGAG 120
Db |||||||

QY 121 AAGCTGACCGCCACCAAGGGCTGGCAGAAATGGCGCCCTGGCTGATTCCTAGCAGTT 180
Db |||||||

QY 121 AAGCTGACCGCCACCAAGGGCTGGCAGAAATGGCGCCCTGGCTGATTCCTAGCAGTT 180
Db |||||||

QY 181 GCGCAGCAGAGGAGGCGCGAGCTTCTGGAGAGAGCCGAGAGCGAGAGAGAGAGTCTG 240
Db |||||||

QY 181 GCGCAGCAGAGGAGGCGCGAGCTTCTGGAGAGAGCCGAGAGCGAGAGAGAGTCTG 240
Db |||||||

QY 241 GAGTGCCTGAACGGCCCCCTGAGCCCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGT 300
Db |||||||

QY 241 GAGTGCCTGAACGGCCCCCTGAGCCCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGT 300
Db |||||||

QY 301 GGTGAGCCGCTGCTGGCGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 360
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Db |||||||

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QY 481 CTGTGTCCCGCTCTAGGCTCAGCAGTGAACACTGGCGTGAGAGCTATGGCGCGCGCG 540
Db |||||||

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Db |||||||

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Db |||||||

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QY 601 CGGCTGGCTAGCAGGCTGTGTCGCCGAGTCCAGGCCCCCTGGAGCTGGGCACTGCTCAT 660
Db |||||||

QY 601 CGGCTGGCTAGCAGGCTGTGTCGCCGAGTCCAGGCCCCCTGGAGCTGGGCACTGCTCAT 660
Db |||||||

QY 661 CCTGGCGTGGGCTGTGAGCTTCTGTGGCAGGTGTCTTCACTCCACTGGAGGCCCT 720
Db |||||||

QY 661 CCTGGCGTGGGCTGTGAGCTTCTGTGGCAGGTGTCTTCACTCCACTGGAGGCCCT 720
Db |||||||

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QY 721 GCTCTCTGACCTTTCCGGGACCCGGACCACTGTGCGCAGGCCCTACTCTGTCTATGCCCTT 780
Db |||||||

QY 781 CATGATCAGTCTGGGGGCTGCTGGGCTACTCTCTGCTGCCATTTGATGGGACACAG 840
Db |||||||

QY 781 CATGATCAGTCTGGGGGCTGCTGGGCTACTCTCTGCTGCCATTTGATGGGACACAG 840
Db |||||||

QY 841 TGGCTGGCCCCCTACCTGGGCAACCCAGGAGGTGCTCTTTGGCCCTGCTCACCTCAT 900
Db |||||||

QY 841 TGGCTGGCCCCCTACCTGGGCAACCCAGGAGGTGCTCTTTGGCCCTGCTCACCTCAT 900
Db |||||||

QY 901 CTTCTCAGCTGTAGCAGCACAACCTGTGGTGGCTGAGGAGGAGCGCTGGGCCCCAC 960
Db |||||||

QY 901 CTTCTCAGCTGTAGCAGCACAACCTGTGGTGGCTGAGGAGGAGCGCTGGGCCCCAC 960
Db |||||||

QY 961 CGAGCCAGAGAGGCTGTGCGGCCCTCTTGTGGCCCCACTGCTGTCCATGGCGGCG 1020
Db |||||||

QY 961 CGAGCCAGAGAGGCTGTGCGGCCCTCTTGTGGCCCCACTGCTGTCCATGGCGGCG 1020
Db |||||||

QY 1021 CCGCTTGGCTTTCCGGAACCTGGGCGCCCTCTTCCCGGCTGCACAGCTGTGCTGCG 1080
Db |||||||

QY 1021 CCGCTTGGCTTTCCGGAACCTGGGCGCCCTCTTCCCGGCTGCACAGCTGTGCTGCG 1080
Db |||||||

QY 1081 CATGCCCGCAACCTGCGCGGCTCTTGTGGTGTGAGCTGTGCACTGGATGGCACTCAT 1140
Db |||||||

QY 1081 CATGCCCGCAACCTGCGCGGCTCTTGTGGTGTGAGCTGTGCACTGGATGGCACTCAT 1140
Db |||||||

QY 1141 GACCTTCAAGCTGTTTACAGGATTTCTGGGCGAGGGGCTGTACAGGGGCTGCCAG 1200
Db |||||||

QY 1141 GACCTTCAAGCTGTTTACAGGATTTCTGGGCGAGGGGCTGTACAGGGGCTGCCAG 1200
Db |||||||

QY 1201 AGCTGAGCCGGGACCCAGAGCCCGGAGACATATGATGAAGCGTTCCGATGGGCGCT 1260
Db |||||||

QY 1201 AGCTGAGCCGGGACCCAGAGCCCGGAGACATATGATGAAGCGTTCCGATGGGCGCT 1260
Db |||||||

QY 1261 GGGGCTGTTCTGAGTGGCGCATCTCCCTGGTCTTCTCTGTGTCATGGAACGGGCTGGT 1320
Db |||||||

QY 1261 GGGGCTGTTCTGAGTGGCGCATCTCCCTGGTCTTCTCTGTGTCATGGAACGGGCTGGT 1320
Db |||||||

QY 1321 GCAGCGATTGGCACTGGAGAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGC 1380
Db |||||||

QY 1321 GCAGCGATTGGCACTGGAGAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGC 1380
Db |||||||

QY 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGCTGGTGAACAGCTTTCAGCGGCCCTCACCGG 1440
Db |||||||

QY 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGCTGGTGAACAGCTTTCAGCGGCCCTCACCGG 1440
Db |||||||

QY 1441 GTTCACTTCTCAGCCCTGCAAGATCTCTGCCCTACACACTGGCCCTCTTCTACCAACCGGA 1500
Db |||||||

QY 1441 GTTCACTTCTCAGCCCTGCAAGATCTCTGCCCTACACACTGGCCCTCTTCTACCAACCGGA 1500
Db |||||||

QY 1501 GAAGCAGGTGTTCTTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGACAG 1560
Db |||||||

Query Match	100.0%;	Score 3409.6;	DB 4;	Length 3410;	
Best Local Similarity	100.0%;	Pred. No. 0;			
Matches 3410;	Conservative	0;	Mismatches	0;	Indels
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1	GGGAACCAAGCTGCA	CGCGCTGGGCTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA	60		
61	GTGATGAGACGTGT	CCCACTGAGGTGCCCAACAGCAGCAGCAGGTGTTGAGCATGGGCTGAG	120		
61	GTGATGAGACGTGT	CCCACTGAGGTGCCCAACAGCAGCAGCAGGTGTTGAGCATGGGCTGAG	120		
121	AAGCTGGACCGGCAC	CAAGGCTGGCAGAAATGGCGCCTGGCTGTATTCCTAGGCAAGTT	180		
121	AAGCTGGACCGGCAC	CAAGGCTGGCAGAAATGGCGCCTGGCTGTATTCCTAGGCAAGTT	180		
181	GGCGCAGCAAGGAG	GAGGCCGAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGATTCTG	240		
181	GGCGCAGCAAGGAG	GAGGCCGAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGATTCTG	240		
241	GAGTGCCTGAAGCG	CCCCCTGAGCCCTACCGCCTGGCCCACTATGCTCCAGAGGCTGTG	300		
241	GAGTGCCTGAAGCG	CCCCCTGAGCCCTACCGCCTGGCCCACTATGCTCCAGAGGCTGTG	300		
301	GGTGAGCGCCTGT	GTCGGGCACCGGAAGCCAGCTCTTGTGCTCAACCTGCTAAACCTT	360		
301	GGTGAGCGCCTGT	GTCGGGCACCGGAAGCCAGCTCTTGTGCTCAACCTGCTAAACCTT	360		
361	TGGCCTGGAAGTGT	TTTGGCGCAGGCAATACCTATGTGCCGCTCTGTCTGTGGAAGT	420		
361	TGGCCTGGAAGTGT	TTTGGCGCAGGCAATACCTATGTGCCGCTCTGTCTGTGGAAGT	420		
421	GGGGGTAGAGGAGA	AGTTTCATGACCATGCTGTGGSCATTTGGTCCAGTGTGGGCTGGT	480		
421	GGGGGTAGAGGAGA	AGTTTCATGACCATGCTGTGGSCATTTGGTCCAGTGTGGGCTGGT	480		
481	CTGTGTCCCGCTCT	CCTAGGCTCAGCCAGTGACCACTGGCGGTGGACGCTATGGCCGCCGCG	540		
481	CTGTGTCCCGCTCT	CCTAGGCTCAGCCAGTGACCACTGGCGGTGGACGCTATGGCCGCCGCG	540		
541	GCCCTTCATCTGGG	CACTGTCTTGGGCACTCTGCTGAGCCCTCTTCTCATCCCAAGGCG	600		
541	GCCCTTCATCTGGG	CACTGTCTTGGGCACTCTGCTGAGCCCTCTTCTCATCCCAAGGCG	600		
601	CGGCTGGCTAGCAG	GGCTGTGTGCCCGATCCAGGCCCTGGAGCTGGCACTGCTCAT	660		
601	CGGCTGGCTAGCAG	GGCTGTGTGCCCGATCCAGGCCCTGGAGCTGGCACTGCTCAT	660		
661	CCTGGCGGTGGGGT	GCTGTGGAATCTGTGGCCAGGTGTCTTCACTCCACTGGAGGGCCT	720		
661	CCTGGCGGTGGGGT	GCTGTGGAATCTGTGGCCAGGTGTCTTCACTCCACTGGAGGGCCT	720		
721	GCTCTGTGACCTCT	TCCGGGACCCGGACCACTGTGCCAGGCTACTCTGTCTATGGCTT	780		
721	GCTCTGTGACCTCT	TCCGGGACCCGGACCACTGTGCCAGGCTACTCTGTCTATGGCTT	780		
781	CATGATCAGTCTTG	GGGGCTGCTCGGCTACTCTCTGCTGCCATTTGACTGGGACACCAAG	840		
781	CATGATCAGTCTTG	GGGGCTGCTCGGCTACTCTCTGCTGCCATTTGACTGGGACACCAAG	840		
841	TGCCCTGGCCCCCT	ACTTGGGCACCCAGAGGAGTGCCTCTTTGGCCTGTCTCACCCCTCAT	900		
841	TGCCCTGGCCCCCT	ACTTGGGCACCCAGAGGAGTGCCTCTTTGGCCTGTCTCACCCCTCAT	900		
901	CTTCTCTACCTGCT	AGCAGCCACACTGCTGGTGGCTGAGGAGGAGCGCTGGGCCCCAC	960		
901	CTTCTCTACCTGCT	AGCAGCCACACTGCTGGTGGCTGAGGAGGAGCGCTGGGCCCCAC	960		
961	CGAGCCAGCAGAA	GGGCTGTGGGCCCTCTCTTGTGCGCCCACTGTGTCTCATGCGGGC	1020		
961	CGAGCCAGCAGAA	GGGCTGTGGGCCCTCTCTTGTGCGCCCACTGTGTCTCATGCGGGC	1020		

Qy	1021	CCGCTTGGCTTTCGGAAACCTTGGGGCGCCTGCTTCCCGGGCTGCACCAAGCTGTGTGTCGG	1080
Db	1021	CCGCTTGGCTTTCGGAAACCTTGGGGCGCCTGCTTCCCGGGCTGCACCAAGCTGTGTGTCGG	1080
Qy	1081	CATGCCCGCACCTTGGCGCGGCTTTCGTGGCTGAGCTGTGACAGCTGGATGGACATCAT	1140
Db	1081	CATGCCCGCACCTTGGCGCGGCTTTCGTGGCTGAGCTGTGACAGCTGGATGGACATCAT	1140
Qy	1141	GACCTTCACGCTGTTTTACACGGATTTCTGGGGAGGGGCTGTACACAGGCGCTGCCAG	1200
Db	1141	GACCTTCACGCTGTTTTACACGGATTTCTGGGGAGGGGCTGTACACAGGCGCTGCCAG	1200
Qy	1201	AGCTGAGCCGGGACACGAGGCCCGGAGACACTATGATGAAGGCGTTTCGGATGGGAGCCT	1260
Db	1201	AGCTGAGCCGGGACACGAGGCCCGGAGACACTATGATGAAGGCGTTTCGGATGGGAGCCT	1260
Qy	1261	GGGCTGTTCTGAGTGGCGCATCTCCCTGGTCTTCTCTGTGTCATGGACCGGCTGGT	1320
Db	1261	GGGCTGTTCTGAGTGGCGCATCTCCCTGGTCTTCTCTGTGTCATGGACCGGCTGGT	1320
Qy	1321	GCAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGC	1380
Db	1321	GCAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGC	1380
Qy	1381	CGGTGCCACATGCTGCTGCCACAGTGTGGCCGTGGTGAAGCTTTCAGCGCCCTCACCGG	1440
Db	1381	CGGTGCCACATGCTGCTGCCACAGTGTGGCCGTGGTGAAGCTTTCAGCGCCCTCACCGG	1440
Qy	1441	GTTTCACTTCTCAGCGCTGCGATCTCCCTACACACTGGGCTTCCCTTACACCGGGA	1500
Db	1441	GTTTCACTTCTCAGCGCTGCGATCTCCCTACACACTGGGCTTCCCTTACACCGGGA	1500
Qy	1501	GAAGCAGGTGTTCTGCGCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAG	1560
Db	1501	GAAGCAGGTGTTCTGCGCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAG	1560
Qy	1561	CCTGATGACCAAGCTTCTGCGAGCCCTTAAGCTTGGAGCTCCCTTCCCTAATGACACGT	1620
Db	1561	CCTGATGACCAAGCTTCTGCGAGCCCTTAAGCTTGGAGCTCCCTTCCCTAATGACACGT	1620
Qy	1621	GGGTGCTGGAGGAGTGGGCTGCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGCTG	1680
Db	1621	GGGTGCTGGAGGAGTGGGCTGCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGCTG	1680
Qy	1681	TGATGCTCTCCGTAGCTGTGGGTGAGCCCAACCGAGGCCAGGGTGGTTCCGGGGCG	1740
Db	1681	TGATGCTCTCCGTAGCTGTGGGTGAGCCCAACCGAGGCCAGGGTGGTTCCGGGGCG	1740
Qy	1741	GGGCATCTGCTGGAACCTCGCATCTGGATAGTGCCTTCTGCTGCCAGGTGGGCCCC	1800
Db	1741	GGGCATCTGCTGGAACCTCGCATCTGGATAGTGCCTTCTGCTGCCAGGTGGGCCCC	1800
Qy	1801	ATCCCTGTTTATGGGCTTCCATTTGTCAGCTCAGCCAGCTGCTGCTATATGGTCTC	1860
Db	1801	ATCCCTGTTTATGGGCTTCCATTTGTCAGCTCAGCCAGCTGCTGCTATATGGTCTC	1860
Qy	1861	TGCCGAGGGCTGGGCTGCTGGTCGCAATTTACTTTGCTACACAGGTAGTATTTGACAAG	1920
Db	1861	TGCCGAGGGCTGGGCTGCTGGTCGCAATTTACTTTGCTACACAGGTAGTATTTGACAAG	1920
Qy	1921	CGACTTGGCCAAATACCTCAGCGTAGAAAACTTCCAGCACATTTGGGGTGGAGGGGCTGCT	1980
Db	1921	CGACTTGGCCAAATACCTCAGCGTAGAAAACTTCCAGCACATTTGGGGTGGAGGGGCTGCT	1980
Qy	1981	CAGTGGTCCAGCTCCCGCTCTGTTAGCCCCATGSGGCTGCCGGCTGCGCCAGT	2040
Db	1981	CAGTGGTCCAGCTCCCGCTCTGTTAGCCCCATGSGGCTGCCGGCTGCGCCAGT	2040
Qy	2041	TTCTGTTGCTGCCAAAGTAAATGTGGCTCTCTGTGCTGCCACCTGTGCTGAGGTGCGTA	2100
Db	2041	TTCTGTTGCTGCCAAAGTAAATGTGGCTCTCTGTGCTGCCACCTGTGCTGAGGTGCGTA	2100
Qy	2101	GCTGCACAGCTGGGGGCTGGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	2160

|||||
Db 481 CTGTGTCGGCTCTTAGGCTCAGCCAGTGAACACTGGGCTGAGCCTATGGCGCGCGCG 540
QY 541 GCCCTTCATCTGGGCACTGTCTCTGGGCACTCTGTCTGAGCCTCTTTCTCATCCCAAGGCG 600
Db 541 GCCCTTCATCTGGGCACTGTCTCTGGGCACTCTGTCTGAGCCTCTTTCTCATCCCAAGGCG 600
QY 601 CGGCTGGCTAGCAGGGCTGTGTGTGCCCGGATCCCAAGGCCCTTGGAGCTGGCACTGTCTCAT 660
Db 601 CGGCTGGCTAGCAGGGCTGTGTGTGCCCGGATCCCAAGGCCCTTGGAGCTGGCACTGTCTCAT 660
QY 661 CTTGGGCTGGGCTGTGTGTGGCACTCTGTGTGGCACTCTGTGTGGCACTCTGTGTGGCACT 720
Db 661 CTTGGGCTGGGCTGTGTGTGGCACTCTGTGTGGCACTCTGTGTGGCACTCTGTGTGGCACT 720
QY 721 GCTCTCTGACCTCTTCGGGACCCGGACCACTGTGTGGCACTCTGTGTGGCACTCTGTGTGG 780
Db 721 GCTCTCTGACCTCTTCGGGACCCGGACCACTGTGTGGCACTCTGTGTGGCACTCTGTGTGG 780
QY 781 CATGATCAGTCTTGGGGCTGTGTGTGGGCTACCTCTGTGTGGGCTACCTCTGTGTGGGCT 840
Db 781 CATGATCAGTCTTGGGGCTGTGTGTGGGCTACCTCTGTGTGGGCTACCTCTGTGTGGGCT 840
QY 841 TGCCCTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGT 900
Db 841 TGCCCTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGT 900
QY 901 CTTCCTCAGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGT 960
Db 901 CTTCCTCAGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGT 960
QY 961 CGAGCCAGCAGAGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCTGTGTGTGGGCT 1020
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QY 1501 GAAGCAGGT 1560
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QY 1561 CCTGATGACAGCTTCTGT 1620

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QY 1681 TGATGTCTCCGTACGT 1740
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QY 1741 GGGCATCTGCTGTGACCTGTGATGT 1800
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QY 1801 ATCCCTGTGTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTGTGTGTGTGTGTGTGTGTGTGTGT 1860
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QY 1861 TGCCGAGGCTGTGGTCTGT 1920
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QY 1921 CGACTTGGCCAAATACTCAGGTAGAAAATCTTCCAGCACATTTGGGGTGGAGGGCTGTGCT 1980
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QY 1981 CACTTGGGCTCCAGCTCCCGCTCTGT 2040
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QY 2041 TTTCTGT 2100
Db 2041 TTTCTGT 2100
QY 2101 GCTGCAAGCTTGGGGCTGGGGCTGT 2160
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QY 2161 ACTGGAGGCTTCCAAAGGGGTTTTCAGTCTGGACTTATACAGGAGGCGCAAGAGGGCTCC 2220
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QY 2281 CTCTGT 2340
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QY 2641 TGCTAGCTTTTCTGT 2700
Db 2641 TGCTAGCTTTTCTGT 2700

Db 841 |||||TGCCCTGCCCCCTACCTGCGGACCCAGGAGAGTGCCTCTTTGGCCCTGCTCACCCCTCAT 900
Qy 901 CTTTCTCACCTCGCTAGCAGCACACTGTGTGTGCTGAGGAGGAGCGCTGGGGCCCCAC 960
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Qy 1861 TGCCGAGCCCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
Db 1861 TGCCGAGCCCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
Qy 1921 CGACTTGGCCAAATACCTGAGCGTAGAAACTTCCAGCACATTTGGGGTGGAGGCGCTGCT 1980

Db 1921 CGACTTGGCCAAATACCTGAGCGTAGAAAACTTCCAGGACATTTGGGGTGGAGGCGCTGCT 1980
Qy 1981 CACTTGGGTCCAGCTTCCCGCTCCTGTTAGCCCCCATGGGGCTGCGGGCTGCGCCCCAGT 2040
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Qy 2041 TTTCTGTGCTGCCAAAGTAAATGTGCTCTGTGCTGCAACCTGTGCTGCTGCTGCTGCTGCT 2100
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Db 2281 CTCTAGTTGAGACACACCTAGAGAGGGTTTTTGGGAGCTGAAATAAACTCAGTCACCTG 2340
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Db 2461 GTCTGAGGGGCAACACAGAACAGGTCCTCAGCCACAGCAGCTGCTTTTTCGT 2520
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Db 2521 GATCCACCCCTCTTACCTTTTATCAGGATGTGGCCTGTTGGTCTTCTGTGTCATCA 2580
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Db 2941 CTCCCCCTACTCTCTTAGGACTGGGCTGATGAGGACTGCCCAAAATTTCCCTTACC 3000
Qy 3001 CCCAACTTCCCTTACCCCCAACTTTTCCCCACAGCTCCCAACCCCTGTTGGAGCTACT 3060
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Qy 3061 GCAGACCAAGACCAAAGTGCCTTTCCCAAGCCTTTGTCCATCTCAGCCCCCAGAGT 3120
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Qy 3121 ATATCTGTGCTTGGGGAATCTCACACAGAACTCAGAGGACCCCTGCTGAGCTAAGG 3180
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Qy 3181 GAGTCTTATCTCTCAGGGGGGTTAAGTGCCTTTGCAATAATGTCGCTTATTATT 3240
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Qy 3361 AA 3410
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Qy 3361 AA 3410
Db |||||

RESULT 13

US-09-759-143-110
; Sequence 110, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stoik, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09759.143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-110

Query Match 100.0%; Score 3409.6; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGAACCAAGCTGACCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA 60
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Qy 1 GGAACCAAGCTGACCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA 60
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Qy 61 GTGATGAGACCTGTCCCACTGAGGTCGCCCAAGCAGCAGGTTGTGAGCATGGGCTGAG 120
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Db |||||

Qy 121 AAGCTGACCGGACCAAAAGGCTGGCAGAAATGGGCGCTGGCTGATTCCTAGGCGAGTT 180
Db |||||
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Qy 181 GGGGCGAGCAAGAGAGAGGCGCAGCTTCTGGAGCAGAGCCGAGAGCAAGCAAGTTCTG 240
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 Db 1561 CCTGATGACAGCTTCTGCCAGGCCCTTAAGCCTGGAGTCCCTTCCCTTAATGACACGT 1620
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 Db 1621 GGGTGTGAGGACGTGGCTGCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCCCTG 1680
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 Qy 2521 GATCCACCCCTCTTACCTTTATCAGGATGTGGCCTGTTGGTCTCTCTGTGTCATCA 2580
 Db 2521 GATCCACCCCTCTTACCTTTATCAGGATGTGGCCTGTTGGTCTCTCTGTGTCATCA 2580
 Qy 2581 CAGAGACACAGGCATTTAAATATTATTTAACTTATTTAAACAAAGTAGAAGGAATCCAT 2640
 Db 2581 CAGAGACACAGGCATTTAAATATTATTTAACTTATTTAAACAAAGTAGAAGGAATCCAT 2640
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 Db 2641 TGCTAGCTTTTCTGTGTGGTCTTAATATTTGGGTAGGGTGGGGATCCCCAAACAATCA 2700
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 Db 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTCTACTCATCCCAATGATAAT 2820
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 Db 2881 CTCAAAGGCTTCCCTTAACCCAGGCTTCTCTTGGCCAGGCTGGTTCCTCCCTCACTTCCA 2940
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RESULT 14

US-09-651-236-110
; Sequence 110, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 110

; LENGTH: 3410

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-651-236-110

Query Match 100.0%; Score 3409.6; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	GGGAACGAGCTGCACCGCTGGCTCCGGGTGACAGCCGCGCTCGGCAGGATCTGA	60
Qy	61	GTGATGAGAGTGTCCTCCACTGAGTGTCCCAACAGCAGCAGCAGTGTTCAGCATGGGCTGAG	120
Db	61	GTGATGAGAGTGTCCTCCACTGAGTGTCCCAACAGCAGCAGCAGTGTTCAGCATGGGCTGAG	120
Qy	121	AAGCTGACCGGACCAAGGGCTGGCAGAAATGGGCGCTTGGCTGATTCTTAGGCAGTT	180
Db	121	AAGCTGACCGGACCAAGGGCTGGCAGAAATGGGCGCTTGGCTGATTCTTAGGCAGTT	180
Qy	181	GGCGGACGAGGAGGAGGCGCAGCTTCGAGCAGAGCCGAGCAGCAAGCAGTTCTG	240
Db	181	GGCGGACGAGGAGGAGGCGCAGCTTCGAGCAGAGCCGAGCAGCAAGCAGTTCTG	240
Qy	241	GAGTGCCCTGAACGCGCCCTGAGCCCTACCGGCTGCCCCACTATGTTCAGAGGCTGTG	300
Db	241	GAGTGCCCTGAACGCGCCCTGAGCCCTACCGGCTGCCCCACTATGTTCAGAGGCTGTG	300
Qy	301	GGTGAGCGGCTGCTCGGACCGGAAAGCCAGCTCTTGTGTGCTCAACCTGCTAACCTT	360
Db	301	GGTGAGCGGCTGCTCGGACCGGAAAGCCAGCTCTTGTGTGCTCAACCTGCTAACCTT	360
Qy	361	TGGCCTGGAGGTGTGTTTGGCGGAGGCATCACCTATGTGCGGCTCTGCTGCTGGAAGT	420
Db	361	TGGCCTGGAGGTGTGTTTGGCGGAGGCATCACCTATGTGCGGCTCTGCTGCTGGAAGT	420
Qy	421	GGGGGTAGAGGAGGATTCATGACCATGGTGTCTGGGCAATGGTTCAGTGTGGCCCTGGT	480
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Qy	481	CTGTGTCCCGCTCCTAGGCTCAGCCAGTGACCACTGCGCTGGAGCGCTATGCGCCCGCCG	540
Db	481	CTGTGTCCCGCTCCTAGGCTCAGCCAGTGACCACTGCGCTGGAGCGCTATGCGCCCGCCG	540
Qy	541	GCCTTCATCTGGGCACTGTCCTTGGGCACTGCTGCTGAGGCTCTTTCTCATCCCAAGGC	600
Db	541	GCCTTCATCTGGGCACTGTCCTTGGGCACTGCTGCTGAGGCTCTTTCTCATCCCAAGGC	600
Qy	601	CGGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCAGGCCCTCGAGCTGGCACTGCTCAT	660
Db	601	CGGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCAGGCCCTCGAGCTGGCACTGCTCAT	660
Qy	661	CTTGGGCGTGGGCTGCTGTGACCTTCTGTGCGCAGGTGTCTTCACTCACTGGAGGCT	720
Db	661	CTTGGGCGTGGGCTGCTGTGACCTTCTGTGCGCAGGTGTCTTCACTCACTGGAGGCT	720
Qy	721	GCTCTGTGACCTTCTCGGGACCGGACCACTGTGCCAGGCTACTCTCTATGCTT	780
Db	721	GCTCTGTGACCTTCTCGGGACCGGACCACTGTGCCAGGCTACTCTCTATGCTT	780
Qy	781	CATGATCAGTCTTGGGGCTGCTGGCTACCTCTCTGCTGCCATTTGACTGGGACACAG	840
Db	781	CATGATCAGTCTTGGGGCTGCTGGCTACCTCTCTGCTGCCATTTGACTGGGACACAG	840
Qy	841	TGCCCTGGCCCCCTACTCTGGGACCCAGGAGGAGTGCCTCTTTGGCCTGCTCACTCAT	900
Db	841	TGCCCTGGCCCCCTACTCTGGGACCCAGGAGGAGTGCCTCTTTGGCCTGCTCACTCAT	900
Qy	901	CTTCTCAGCTGTGAGCCACACTGTGTGGTGGCTGAGGAGCAGCGCTGGGCCCCAC	960
Db	901	CTTCTCAGCTGTGAGCCACACTGTGTGGTGGCTGAGGAGCAGCGCTGGGCCCCAC	960
Qy	961	CGAGCCAGCAGAGGGCTGCGGCCCTCTCTTGTGCCCCACTGTCTGTCCATGCCGGC	1020
Db	961	CGAGCCAGCAGAGGGCTGCGGCCCTCTCTTGTGCCCCACTGTCTGTCCATGCCGGC	1020
Qy	1021	CCGCTTGGCTTTCGGAACTGGGCGCTGTCTTCCCCTGCTGCACAGCTGTGCTCCG	1080
Db	1021	CCGCTTGGCTTTCGGAACTGGGCGCTGTCTTCCCCTGCTGCACAGCTGTGCTCCG	1080
Qy	1081	CATGCCCGGACCTCGGCGGCTCTTCTGGTGGCTGAGCTGTGAGCTGGATGGCACTCAT	1140
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Qy	1141	GACCTTCAGCTGCTTTTACACGATTTCTGGGCGAGGGCTGTACCAGGCGTGGCCAG	1200
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Qy	1201	AGCTGAGCCGGGACCGAGGCCCGGAGACACTATGATGAAGGCTTCGATGGGAGCCT	1260
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Qy	1261	GGGGCTGTCTGAGTGCGCCATCTCCTGCTGCTTCTCTGCTGATGAGACCGGCTGGT	1320
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Qy	1321	GCAGCGATTGGGCACTCGAGCACTATTTGGCCAGTGTGGGAGCTTTCCCTGTGGCTGC	1380
Db	1321	GCAGCGATTGGGCACTCGAGCACTATTTGGCCAGTGTGGGAGCTTTCCCTGTGGCTGC	1380
Qy	1381	CGGTGCCACATGCTGTGCCACAGTGTGGCGCTGTGGACAGCTTCAGCCGCCCTCACCG	1440
Db	1381	CGGTGCCACATGCTGTGCCACAGTGTGGCGCTGTGGACAGCTTCAGCCGCCCTCACCG	1440
Qy	1441	GTTTCACTTCTAGCCTGAGCATCTGCCCTACACTGAGCTGCTCCCTCTACCAACCGGA	1500
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Qy	1501	GAGCAGGTGTTCTTCCGCAATACCGAGGGGACCTGGAGGTGTAGCAGTGGAGACAG	1560
Db	1501	GAGCAGGTGTTCTTCCGCAATACCGAGGGGACCTGGAGGTGTAGCAGTGGAGACAG	1560
Qy	1561	CCTGATGACGAGCTTCTGCGCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGAGACAGT	1620

;	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;	TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
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FILE REFERENCE: 210121 42717C17

FILE REFERENCE: 210121:4271/CI7

; CURRENT APPLICATION NUMBER: US/09/636,215

: CURRENT FILING DATE: 2000-08-10

; CURRENT FILING DATE: 2000-08-10
 ; NUMBER OF SEC ID NOS. 852

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FASTSEQ for Windows V

; S0F IWARE: Fa
; SEQ ID NO 704

; SEQ ID NO 704

; LENGTH: 4034

TYPE: DNA

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Best Local Similarity	82.4†	Pred. No.	0			
Matches 3325; Conservative	0	Mismatches	1	Indels	709	Gaps

[illegible]

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OM nucleic - nucleic search, using sw model

Run on: June 15, 2005, 17:22:24 ; Search time 1922 Seconds
(without alignments)
10998.333 Million cell updates/sec

Title: US-09-605-783A-110
Perfect score: 3410
Sequence: 1 gggacacagctgcagcgc.....aaaaaaaaaaaaaaaa 3410

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 6046767 seqs, 3099530249 residues

Total number of hits satisfying chosen parameters: 12093534

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Published Applications NA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	3409.6	100.0	3410	9	US-09-780-669-110
4	3409.6	100.0	3410	9	US-09-030-606-110
5	3409.6	100.0	3410	9	US-09-822-827-110
6	3409.6	100.0	3410	9	US-09-115-453-110
7	3409.6	100.0	3410	9	US-09-232-880-110

8	3409.6	100.0	3410	9	US-09-895-793-110	Sequence 110, App
9	3409.6	100.0	3410	9	US-09-895-814-110	Sequence 110, App
10	3409.6	100.0	3410	13	US-10-012-896-110	Sequence 110, App
11	3409.6	100.0	3410	14	US-10-010-940-110	Sequence 110, App
12	3409.6	100.0	3410	16	US-10-144-678A-110	Sequence 110, App
13	3409.6	100.0	3410	16	US-10-294-025-110	Sequence 110, App
14	3409.6	100.0	3410	18	US-10-453-919-100	Sequence 100, App
15	3409.6	100.0	3410	19	US-10-688-838-110	Sequence 110, App
16	3295.2	96.6	3332	21	US-10-936-626-21	Sequence 21, Appl
17	3295.2	96.6	3332	21	US-10-938-061-21	Sequence 21, Appl
18	3292.4	96.6	3320	9	US-09-838-785-1	Sequence 1, Appl
19	2585.4	75.8	4034	9	US-09-759-143-704	Sequence 704, App
20	2585.4	75.8	4034	9	US-09-780-669-704	Sequence 704, App
21	2585.4	75.8	4034	9	US-09-822-827-704	Sequence 704, App
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24	2585.4	75.8	4034	13	US-10-012-896-704	Sequence 704, App
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26	2585.4	75.8	4034	16	US-10-294-025-704	Sequence 704, App
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44	2136.4	62.7	2152	9	US-09-841-894-16	Sequence 16, Appl
45	2114.8	62.0	2143	9	US-09-841-894-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-09-745-288-100
; Sequence 100, Application US/09745288
; Patent No.: US20010018058A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.446D1
; CURRENT APPLICATION NUMBER: US/09/745,288
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-745-288-100

Query Match 100.0%; Score 3409.6; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db	541	GCCCTTCATCTGGSCACTGTCTTTGGGCATCTCTGCTGAGCCTCTTTTCTCATCCCAAGGCG	600	
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Db	601	CGGCTGGCTAGCAGGGCTGTGTGTCCCGGATCCAGGCCCCCTGGAGCTGGGACTGTCTCAT	660	
Qy	661	CTTGGGCGTGGGCGTGTGACACTCTCTGCGCCAGGTGTCTCACTCCACTGAGAGGCCCT	720	
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Qy	721	GCTCTCTGACCTCTTTCCGGGACCCGGACCACTGTGTGCGCAGGCCCTACTCTGTCTATGCTT	780	
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Qy	781	CATGATCAGTCTTTGGGGCTGTCTGGGCTACCTCTCTGCTGCCATTGACTTGGGACACCAAG	840	
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Qy	841	TGCCCTGGCCCCCTACTCTGGGACCCAGGAGGAGTGCTCTTTTGGCTGTGCTCACTCCCTCAT	900	
Db	841	TGCCCTGGCCCCCTACTCTGGGACCCAGGAGGAGTGCTCTTTTGGCTGTGCTCACTCCCTCAT	900	
Qy	901	CTTCTCTCACTGTGTAGCAGCCACACTGTGTGGTGGCTGTGAGGAGCAGCGCTGGGCCCCAC	960	
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Qy	961	CGAGCCAGCAGAAAGGGCTGTGGGCCCCCTCTTTGTGTGGCCCCACTGTGTCCATGTCCGGGGC	1020	
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Db	1321	GCAGCGATTGGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTCCCTGTGGCTGC	1380	
Qy	1381	CGGTGCCACATGTCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCGCCCTCACCGG	1440	
Db	1381	CGGTGCCACATGTCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCGCCCTCACCGG	1440	
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Db	1441	GTTTCACCTTCTCAGCCCTGCAGATCTCTGCCCTACACACTGCGCTCCCTCTACACACGGGA	1500	
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1561	Db	CCTGATGACACAGCTTCTGCGAGGCCCTAAGCCTGAGAGTCCCTTCCCTAAATGGACACAGT	1620
1621	Qy	GGGTGCTGGAGGAGTGCGCTGTCCACGCTCCACCCGCGCTCTGCGGGGCTCTCTGCGCTG	1680
1621	Db	GGGTGCTGGAGGAGTGCGCTGTCCACGCTCCACCCGCGCTCTGCGGGGCTCTCTGCGCTG	1680
1681	Qy	TGATGCTCCGTACGTGTGGTGTGGGTGAGCCACCGAGGGCCAGGTGTTCGGGGCCG	1740
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1801	Db	ATCCCTGTTTATGGGCTCCAATGTCTCAGCTCAGCCAGTCTGTCACTCCTATATGTGTGTC	1860
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1861	Db	TGCGCAGGCTGGGTCTGCTCGGCATTTTACTTTTGCTACACAGGTAGTATTTGACAAGAG	1920
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1921	Db	CGACTTTGGCCAAATACTCAGCGTAGAAAACTTCCAGCACATTTGGGTGAGAGGCCCTGCGCT	1980
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1981	Db	CACGTGGTCCAGCTCCCGCTCCTGTTAGCCCAATGGGGCTGCCGGGTGGCCGCCAGT	2040
2041	Qy	TTCTGTTGTGCAAAAGTAATGTGGCTCTCTGTGCTGACCCCTGTGCTGTGCTGAGAGTGCCTA	2100
2041	Db	TTCTGTTGTGCAAAAGTAATGTGGCTCTCTGTGCTGACCCCTGTGCTGTGCTGAGAGTGCCTA	2100
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2221	Db	ATGCACTGGAATGCGGGGACTCTGCAAGGTGGATTAACAGGCTCAGGGTTAACAGCTAGC	2280
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2461	Qy	GTCTGAGGGGCAACACACAAGAACACAGTCCCTCAGGCCCAAGACACTGTCTTTTGTCT	2520
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2581	Qy	CAGAGACACAGGCAATTTAAATATTTTAACTTATTTTAAACAAGTAGAAGGAATCCAT	2640
2581	Db	CAGAGACACAGGCAATTTAAATATTTTAACTTATTTTAAACAAGTAGAAGGAATCCAT	2640

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Db TCCAAATGCTTTACCCAAAGTTAGGGTGTGTAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
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Db GCAGGACAGAAAGTGGGGTTCCTCAACCTTCCCAACCTTCCCAACCTTCCCAACCTTCCCA 3120
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Qy GAGGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGCATTAATGCTCTTATTATT 3240
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Qy AA 3410
Db AA 3410

RESULT 3

US-09-780-669-110
; Sequence 110, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-780-669-110

Query Match 100.0%; Score 3409.6; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACAGCCTGACGCGCTGCTCCGGGTGACAGCCGCGGCTCGGCCAGGATCTGA 60
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Db 61 GTGATGAGAGCTGTCCCACTGAGGTGCCCCACAGCAGCAGGTGTTTTCAGCATGGCTGAG 120
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Qy 1261 GGGGCTGTCTGAGTGCGCATCTCCCTGGTCTTCTCTGTGTCATGGACCGGCTGGT 1320
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Db 1801 ATCCCTGTTATGGGCTCCATTTGTCAGCTCAGCCAGTCTGTCTACTGCTCTATATGGTGTG 1860

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Qy	3301	AAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	3360
Db	3301	AAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	3360
Qy	3361	AAAAAARAAAAAATAAAAAAAAAAAAAAAAAATAAAAAAAAAAAAAA	3410
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RESULT 5

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US-09-822-827-110
; Sequence 110, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-110

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Query Match	100.0%;	Score	3409.6;	DB	9;	Length	3410;	
Best Local Similarity	100.0%;	Pred. No. 0;						
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Qy	121	AAGCTGACCGGCACCAAAAGGGCTGGCAGAAATGGCGGCTGGCTGATTCCTTAGGCAGTT	180					
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Qy	181	GGCGGCAGCAGGAGGAGCGCCGACGCTCTGGAGCAGAGCCGACAGCAGGACAGTTCG	240					
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Qy	241	GAGTGCCTGAAACGGCCCCCTGAGCCCTACCCGCTGGCCACATATGGTCAGAGGCTGTG	300					
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Qy	301	GGTGAGCCGCTGCTGGGCACCGGAAGCCACGCTCTTGCTGGTCAACCTGTAAACCTT	360					
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Qy	361	TGGCCTGGAGGTGTGTTTGGCCGAGGCATCACTATGTGCCGCTCTGCTGCTGAAGT	420					
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Qy	481	CTGTGTCCCGCTCCTTAGGCTCAGCCAGTGACCACTGGCGGTGAGCGCTATGTGGCCGCCG	540					

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Qy 1741 GGGCATCTGCGCTGGACCTCGCCATCTCGATAGTGCCTTCTGCTGCTCCAGGTGGCCCC 1800
Db 1741 GGGCATCTGCGCTGGACCTCGCCATCTCGATAGTGCCTTCTGCTGCTCCAGGTGGCCCC 1800
Qy 1801 ATCCCTGTTTATGGGCTCAATGTCCAGCTCAGCCAGTCTGTCACTGCTATATGGTGTG 1860
Db 1801 ATCCCTGTTTATGGGCTCAATGTCCAGCTCAGCCAGTCTGTCACTGCTATATGGTGTG 1860
Qy 1861 TGCCGAGCGCTGGTCTGTGCGCCATTTACTTGTCTACAGGTAGTATTTGACAAGAG 1920
Db 1861 TGCCGAGCGCTGGTCTGTGCGCCATTTACTTGTCTACAGGTAGTATTTGACAAGAG 1920
Qy 1921 CGACTTGGCCAAATACTCAGCGTAGAAAACCTTCAGACATTTGGGGTGGAGGCGCTGCT 1980
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Db 1981 CACTGGGTCCAGCTCCCGCTCTCTGTTAGCCCATGGGGCTGCGGGCTGGCGCCAGT 2040
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Qy 3361 AA 3410
Db 3361 AA 3410

RESULT 6

US-09-115-453-110
; Sequence 110, Application US/09115453B
; Patent No. US20020090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115.453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-115-453-110

Query Match 100.0%; Score 3409.6; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGAAACAGCCTGCAACGCGCTGGGTCCGGGTGACAGCCGCGCGCTCGGCCAGGATCTGA 60
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Qy 61 GTGATGAGACGTGTCCCCACCTAGAGTGTCCCCACAGCAGCAGAGTGTGAGCATGGCGTAG 120
Db |||||
61 GTGATGAGACGTGTCCCCACCTAGAGTGTCCCCACAGCAGCAGAGTGTGAGCATGGCGTAG 120
Qy 121 AAGCTGGACCGGCACCAAGGSGCTGGCAGAAATGGGCGCCTGGCTGATTCCTAGGCAAGTT 180
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RESULT 8

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US-09-895-793-110
; Sequence 110, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-110

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Query Match 100.0%; Score 3409.6; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 110, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-110
Query Match 100.0%; Score 3409.6; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010,940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-010-940-110

Query Match          100.0%; Score 3409.6; DB 14; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; ORGANISM: Homo sapiens									
US-10-144-678A-110									
Query Match									
Best Local Similarity 100.0%; Score 3409.6; DB 16; Length 3410;									
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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QY	61	GTGATGAGACGTGTCCCACTAGTGTCCCAACAGCAGAGAGTGTGAGCATGGGCTGAG	120						
DB	61	GTGATGAGACGTGTCCCACTAGTGTCCCAACAGCAGAGAGTGTGAGCATGGGCTGAG	120						
QY	121	AAGCTGGACCGGCACAAAGGCTGGCAGAAATGGCGCTGGCTGATTCTTAGGACGTT	180						
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QY	181	GGCGCAGCAGAGGAGAGGCGCGAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGTTCTG	240						
DB	181	GGCGCAGCAGAGGAGAGGCGCGAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGTTCTG	240						
QY	241	GAGTGCCTGAAGCGGCCCTGAGCCCTAGCCCTGCGCCCTAGCTATGGTCCAGAGCTGTG	300						
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QY	301	GGTGAGCGCCTGTGTCGGGCACCGGAAAGCCAGCTCTTGTGTCAACCTGTAACCTT	360						
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QY	361	TGGCCTGAGAGTGTGTTTGGCGCAGGAGCATCACCTATGTGCGCCTCTGCTGTGGAAGT	420						
DB	361	TGGCCTGAGAGTGTGTTTGGCGCAGGAGCATCACCTATGTGCGCCTCTGCTGTGGAAGT	420						
QY	421	GGGGTAGAGAGAGTTCATGACCATGCTGTGGGCAATGGTTCAGTGTGGGCTGGT	480						
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QY	481	CTGTGTCCTGCTGCTGAGCTGAGCAGTACACCTATGCTGGGCTATGCTGCTGGAAGT	540						
DB	481	CTGTGTCCTGCTGCTGAGCTGAGCAGTACACCTATGCTGGGCTATGCTGCTGGAAGT	540						
QY	541	GCCCTTCATCTGGGCACTGTCTTGGGCACTCTGCTGAGCCTCTTCTCATCCCAAGGCG	600						
DB	541	GCCCTTCATCTGGGCACTGTCTTGGGCACTCTGCTGAGCCTCTTCTCATCCCAAGGCG	600						
QY	601	CGGCTGGCTAGCAGGGCTGTGTCGGCCGGATCCAGGCCCTTGGAGCTGGCACTGCTCAT	660						
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QY	661	CCTGGGCTGGGCTGTGGACTCTGTGGCCAGGTGTCTTCACTCCAGTGGAGGCCCT	720						
DB	661	CCTGGGCTGGGCTGTGGACTCTGTGGCCAGGTGTCTTCACTCCAGTGGAGGCCCT	720						
QY	721	GCTCTCTGACCTTTCGGGACCCGAGCACTGTGCGCAGGCTACTCTGTCTATGGCTT	780						
DB	721	GCTCTCTGACCTTTCGGGACCCGAGCACTGTGCGCAGGCTACTCTGTCTATGGCTT	780						
QY	781	CATGATCAGTCTTGGGGCTGTGGGCTACCTCTGCTGCGCATTTGATGGGACACAG	840						
DB	781	CATGATCAGTCTTGGGGCTGTGGGCTACCTCTGCTGCGCATTTGATGGGACACAG	840						
QY	841	TGCCCTGGCCCTTACCTGGGACCCAGAGAGTGCCTTTTGGCCTGCTCACCTCAT	900						
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DB	1141	GACCTTCAGCTGTGTTTACACGGATTTCTGGGCGAGGGCTGTACAGGGGCTGCCAG	1200						
QY	1201	AGCTGAGCGCGGCACCGAGGCGCGGAGACATATGATGAAGCGCTTCGATGGGAGCT	1260						
DB	1201	AGCTGAGCGCGGCACCGAGGCGCGGAGACATATGATGAAGCGCTTCGATGGGAGCT	1260						
QY	1261	GGGCTGTCTGTCAGTGCCTCATCTCCTGGTCTTCTCTGTGTCATGGAACCGCTGGT	1320						
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QY	1381	CGGTGCCACATGCTGTCCTCCACAGTGTGGCGCTGTGACAGCTTCAGCGCGCTCACCG	1440						
DB	1381	CGGTGCCACATGCTGTCCTCCACAGTGTGGCGCTGTGACAGCTTCAGCGCGCTCACCG	1440						
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QY	2041	TTCTGTGCTGCCAAAGTAAATGTGGCTCTCTGCTGCCCCCTCTGCTGAGGTGCGTA	2100						
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QY 2701 GGTCCCTCGATAGCTGCTTATGGGCTGATCTGCCAGAACTTCTTCTCTCTCTCTCT 2760
Db 2701 GGTCCCTCGATAGCTGCTTATGGGCTGATCTGCCAGAACTTCTTCTCTCTCTCTCT 2760
QY 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTTGAAATTTCTACTCATCCCAAAATGATAAT 2820
Db 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTTGAAATTTCTACTCATCCCAAAATGATAAT 2820
QY 2821 TCCAAATGCTGTTTACCAGGTTAGGGTGTGAAAGGAGGTAGAGGGTGGGGCTTCAGGT 2880
Db 2821 TCCAAATGCTGTTTACCAGGTTAGGGTGTGAAAGGAGGTAGAGGGTGGGGCTTCAGGT 2880
QY 2881 CTCAACGGCTTCCCTTAACCCCTCTTCTCTTGGCCCGAGCTGGTTCCTCCCTCTTCCA 2940
Db 2881 CTCAACGGCTTCCCTTAACCCCTCTTCTCTTGGCCCGAGCTGGTTCCTCCCTCTTCCA 2940
QY 2941 CTCCCTCTACTCTCTCTAGGACCTGGGCTGATGAAGGACCTGCCCAAAATTTCCCTTACC 3000
Db 2941 CTCCCTCTACTCTCTCTAGGACCTGGGCTGATGAAGGACCTGCCCAAAATTTCCCTTACC 3000
QY 3001 CCCAACTTTCCCTTACCCTTCCCAACAGTCTCCCAAGCTCCCAACCTTGTGGAGCTACT 3060
Db 3001 CCCAACTTTCCCTTACCCTTCCCAACAGTCTCCCAAGCTCCCAACCTTGTGGAGCTACT 3060
QY 3061 GCAGGACGAGACAGAAAGTGGGTTTCCCAAGCTTTGTCATCTCAGCCCCCAGAGT 3120
Db 3061 GCAGGACGAGACAGAAAGTGGGTTTCCCAAGCTTTGTCATCTCAGCCCCCAGAGT 3120
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Db 3121 ATATCTGTGCTTGGGGAATCTCACACAGAAACTCAGGAGCACCCCTGCTGAGCTAAGG 3180
QY 3181 GAGGCTTATCTCTCAGGGGGGTTTAAAGTGGCGGTTTGGCAATAATATGCTCTTATTTAT 3240

Db 3181 GAGGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGCAATAATGTCGCTTATTTATT 3240
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Qy 3301 AAATTAAGGCTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
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Qy 3361 AA 3410
Db 3361 AA 3410
RESULT 15
US-10-688-838-110
; Sequence 110, Application US/10688838
; Publication No. US20040141989A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D4
; CURRENT APPLICATION NUMBER: US/10/688,838
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-688-838-110
Query Match 100.0%; Score 3409.6; DB 19; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACAGCTGCACGGCTGGCTCCGGGTGACAGCGCGCGCTCGGCAGGATCTGA 60
Db 1 GGGAAACAGCTGCACGGCTGGCTCCGGGTGACAGCGCGCGCTCGGCAGGATCTGA 60
Qy 61 GTGATGAGACGTGTCCCACTGAGTGCCCAACAGCAGCAGGTGTGAGCATGGCTGAG 120
Db 61 GTGATGAGACGTGTCCCACTGAGTGCCCAACAGCAGCAGGTGTGAGCATGGCTGAG 120
Qy 121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGCGCTGGCTGATTCCTAGGCGATT 180
Db 121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGCGCTGGCTGATTCCTAGGCGATT 180
Qy 181 GCGCGCAGCAGGAGGAGCGCGAGCTTCTGAGCAGAGCCGAGCAGAAAGAGTTCTG 240
Db 181 GCGCGCAGCAGGAGGAGCGCGAGCTTCTGAGCAGAGCCGAGCAGAAAGAGTTCTG 240
Qy 241 GAGTGCTTGAACGGCCCCCTGAGCCCTACCGCTGCGCCCACTATGTTCCAGAGGCTGTG 300
Db 241 GAGTGCTTGAACGGCCCCCTGAGCCCTACCGCTGCGCCCACTATGTTCCAGAGGCTGTG 300
Qy 301 GGTGAGCGCTGTGTCGGCACCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 360
Db 301 GGTGAGCGCTGTGTCGGCACCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 360
Qy 361 TGGCTGAGAGTGTGTTGGCGCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 420
Db 361 TGGCTGAGAGTGTGTTGGCGCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 420
Qy 421 GGGGTAGAGGAGTGTGTTGGCGCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 480
Db 421 GGGGTAGAGGAGTGTGTTGGCGCAGGAGCATCACCTATGTCGGCTCAACCTGTAACTTT 480
Qy 481 CTGTGTCGGCTCTAGGCTCAGCCAGTGACCACTGGCGTGGAGCTATGCGCGCGCG 540

Db 481 CTGTGTCGGCTCTAGGCTCAGCCAGTGACCTAGGCTGAGAGCTATGCGCGCGCG 540
Qy 541 GCCCTTCATCTGGGCACCTGCTTGGGCATCTGCTGAGGCTCTTCTCATCCCAAGGC 600
Db 541 GCCCTTCATCTGGGCACCTGCTTGGGCATCTGCTGAGGCTCTTCTCATCCCAAGGC 600
Qy 601 CGGTGCTAGCAGGGCTGCTGTGCCGAGTCCAGGCCCCCTGGAGCTGGCAGCTGCTCAT 660
Db 601 CGGTGCTAGCAGGGCTGCTGTGCCGAGTCCAGGCCCCCTGGAGCTGGCAGCTGCTCAT 660
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Db 661 CTTGGGCTGGGCTGCTGACATCTGTTGGGCAGGCTGCTTCACTCACTGAGAGGCTCT 720
Qy 721 GCTCTGACCTCTTCCGGGACCCGAGCAGCTGTCGCGAGGCTTACTGCTGATGCTT 780
Db 721 GCTCTGACCTCTTCCGGGACCCGAGCAGCTGTCGCGAGGCTTACTGCTGATGCTT 780
Qy 781 CATGATCAGTCTTGGGGCTGCTGGGCTACTCTCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 781 CATGATCAGTCTTGGGGCTGCTGGGCTACTCTCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy 841 TGGCTGCGCCCCCTTACCTGGGCACCCAGAGGAGTGCCTCTTGGGCTGCTCACCCTCAT 900
Db 841 TGGCTGCGCCCCCTTACCTGGGCACCCAGAGGAGTGCCTCTTGGGCTGCTCACCCTCAT 900
Qy 901 CTTCTCACCTGCTGAGCAGCAGCTGCTGGCTGAGGAGGAGCAGCTGGGCGCCAC 960
Db 901 CTTCTCACCTGCTGAGCAGCAGCTGCTGGCTGAGGAGGAGCAGCTGGGCGCCAC 960
Qy 961 CGAGCCAGCAGAGGGCTGTCGGCCCCCTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
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Db 1021 CCGCTTGGCTTTCGGAACTGCTGGGCGCTGCTTCCCGCGGTGACAGCTGCTGCTGCTGCTG 1080
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Db 1201 AGCTGAGCCGGCAGCCGAGGCGCGGAGACACTATGATGAAGGGCTTCGGATGGGCGAGCT 1260
Qy 1261 GGGGCTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
Db 1261 GGGGCTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
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Db 1321 GCAGCGATTCGGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380
Qy 1381 CGGTGCGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440
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Qy 1441 GTTCACCTTCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 1441 GTTCACCTTCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
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Db 1501 GAAGCAGGTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Qy 1561 CCTGATGACAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620

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OM protein - protein search, using sw model

Run on: June 16, 2005, 12:48:08 ; Search time 44 Seconds
(without alignments)
938.203 Million cell updates/sec

Title: US-09-605-783A-113

Perfect score: 2861

Sequence: 1 MVQRLWVSRLLRHRKAQLL.....AIYFATQVDFKSLAKYSA 553

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*

2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2861	100.0	553	3	US-09-020-956-113
2	2861	100.0	553	3	US-09-030-607-113
3	2861	100.0	553	3	US-09-439-313-113
4	2861	100.0	553	3	US-09-352-616A-113
5	2861	100.0	553	4	US-09-602-877A-101
6	2861	100.0	553	4	US-09-212-149A-113
7	2861	100.0	553	4	US-09-159-812-113
8	2861	100.0	553	4	US-09-636-215-113
9	2861	100.0	553	4	US-09-685-166A-113
10	2861	100.0	553	4	US-09-115-453-113
11	2861	100.0	553	4	US-09-688-489-113
12	2861	100.0	553	4	US-09-679-426-113
13	2861	100.0	553	4	US-09-759-143-113
14	2861	100.0	553	4	US-09-651-236-113
15	1417.5	49.5	371	4	US-09-636-215-708
16	1417.5	49.5	371	4	US-09-685-166A-708
17	1417.5	49.5	371	4	US-09-679-426-708
18	1417.5	49.5	371	4	US-09-759-143-708
19	1417.5	49.5	371	4	US-09-651-236-708
20	1403.5	49.1	400	4	US-09-636-215-852
21	1403.5	49.1	400	4	US-09-685-166A-852
22	1403.5	49.1	400	4	US-09-679-426-852
23	1403.5	49.1	400	4	US-09-759-143-852
24	1403.5	49.1	400	4	US-09-651-236-852
25	1287	45.0	255	3	US-09-071-710-36
26	1287	45.0	255	3	US-09-525-397-36
27	452	15.8	84	3	US-09-439-313-571

ALIGNMENTS

RESULT 1

US-09-020-956-113

; Sequence 113, Application US/09020956

; Patent No. 6261562

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun C.

; APPLICANT: Dillin, Davin C.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

; NUMBER OF SEQUENCES: 178

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SEED AND BERRY LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: WA

; COUNTRY: USA

; ZIP: 98104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/020,956

; FILING DATE: 09-FEB-1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Makl, David J.

; REGISTRATION NUMBER: 31,392

; REFERENCE/DOCKET NUMBER: 210121.427C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 113:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 553 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; ORIGINAL SOURCE:

; ORGANISM: Homo sapiens

; US-09-020-956-113

Query Match 100.0%; Score 2861; DB 3; Length 553;

Best Local Similarity 100.0%; Pred. No. 6.4e-271;

Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLLRHRKAQLLNLTFGLVCLAGITYVPPLLEVGVEBKFTMTVLGIG 60

Db 1 MVQRLWVSRLLRHRKAQLLNLTFGLVCLAGITYVPPLLEVGVEBKFTMTVLGIG 60

Sequence 706, App
Sequence 706, App
Sequence 706, App
Sequence 706, App
Sequence 706, App
Sequence 45501, A
Sequence 42141, A
Sequence 4, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 547, App
Sequence 547, App
Sequence 547, App
Sequence 547, App
Sequence 547, App
Sequence 564, App

Qy 61 PVLGLVCVPLLGASDHWGRYGRRRRPFIFWALSIGILLISLFLIPRAGWLAGLLCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRRPFIFWALSIGILLISLFLIPRAGWLAGLLCPDPRPL 120
Qy 121 ELALLIILGVLLDFCGQVCFPTLEALLSDLFDPDHCRCQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLIILGVLLDFCGQVCFPTLEALLSDLFDPDHCRCQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWDTSAAPYLGTOEECLFGLLTLLIFLTCVAATLLVAEEAALGPTBPAGLSAPLSLSPH 240
Db 181 IDWDTSAAPYLGTOEECLFGLLTLLIFLTCVAATLLVAEEAALGPTBPAGLSAPLSLSPH 240
Qy 241 CCPCRARLAFNLCALLPRLHQLCCMRPRTLRLRFLVAELCSWMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFNLCALLPRLHQLCCMRPRTLRLRFLVAELCSWMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Qy 361 APFVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APFVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAGLGLVAIYFATQ 540
Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 2

US-09-030-607-113
; Sequence 113, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 113:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 553 amino acids

; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-607-113

Query Match 100.0%; Score 2861; DB 3; Length 553;

Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWYSRLRRHRKAOLLVNLITFGLVECLAAGITVVPPLLLLEVGVEEKFMTMWLGIG 60
Db 1 MVQRLWYSRLRRHRKAOLLVNLITFGLVECLAAGITVVPPLLLLEVGVEEKFMTMWLGIG 60
Qy 61 PVLGLVCVPLLGASDHWGRYGRRRRPFIFWALSIGILLISLFLIPRAGWLAGLLCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRRPFIFWALSIGILLISLFLIPRAGWLAGLLCPDPRPL 120
Qy 121 ELALLIILGVLLDFCGQVCFPTLEALLSDLFDPDHCRCQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLIILGVLLDFCGQVCFPTLEALLSDLFDPDHCRCQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWDTSAAPYLGTOEECLFGLLTLLIFLTCVAATLLVAEEAALGPTBPAGLSAPLSLSPH 240
Db 181 IDWDTSAAPYLGTOEECLFGLLTLLIFLTCVAATLLVAEEAALGPTBPAGLSAPLSLSPH 240
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Db 241 CCPCRARLAFNLCALLPRLHQLCCMRPRTLRLRFLVAELCSWMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Qy 361 APFVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
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Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAGLGLVAIYFATQ 540
Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 3

US-09-439-313-113
; Sequence 113, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Reed, Steven G.
; APPLICANT: Jiang Yuqui
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

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; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-439-313-113

Query Match      100.0%; Score 2861; DB 3; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MVQRLWVSRLLRHRAKQALLVNLITFGLEVCLAAGITVVPPLLELVGVEEKFMVTLGIG 60
Qy 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Qy 121 ELALLIIGVGLLDFCGQVCFPLEALLSDLPDRDPHCRQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLIIGVGLLDFCGQVCFPLEALLSDLPDRDPHCRQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTOEECLFGLLTLLITCTVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
Db 181 IDWTSALAPYLGTOEECLFGLLTLLITCTVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
Qy 241 CCPCRARLAFNLGALLPRLHQLCCMRPTRLRRLFVAELCSMMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFNLGALLPRLHQLCCMRPTRLRRLFVAELCSMMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
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Db 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
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Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYVWVSAAGLGLVAVIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 5
US-09-602-877A-101
; Sequence 101, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602.877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-602-877A-101

Query Match      100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-439-313-113

Query Match      100.0%; Score 2861; DB 3; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLLRHRAKQALLVNLITFGLEVCLAAGITVVPPLLELVGVEEKFMVTLGIG 60
Db 1 MVQRLWVSRLLRHRAKQALLVNLITFGLEVCLAAGITVVPPLLELVGVEEKFMVTLGIG 60
Qy 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Qy 121 ELALLIIGVGLLDFCGQVCFPLEALLSDLPDRDPHCRQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLIIGVGLLDFCGQVCFPLEALLSDLPDRDPHCRQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTOEECLFGLLTLLITCTVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
Db 181 IDWTSALAPYLGTOEECLFGLLTLLITCTVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
Qy 241 CCPCRARLAFNLGALLPRLHQLCCMRPTRLRRLFVAELCSMMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFNLGALLPRLHQLCCMRPTRLRRLFVAELCSMMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Qy 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYVWVSAAGLGLVAVIYFATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYVWVSAAGLGLVAVIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 4
US-09-352-616A-113
; Sequence 113, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yucui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
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Qy	1	MVQRLW	SVRLRH	RKAQ	LLLVN	LLTFLG	LEVCLA	AGITYV	PPLLLV	GVGV	EKEFMT	VMVLG	60																											
Db	1	MVQRLW	SVRLRH	RKAQ	LLLVN	LLTFLG	LEVCLA	AGITYV	PPLLLV	GVGV	EKEFMT	VMVLG	60																											
Qy	61	PVLGLV	CVPLLG	SADSH	WRG	RYGR	RRRPF	FIW	SLG	ILSL	FLIPR	AGL	LLCPDRPL	120																										
Db	61	PVLGLV	CVPLLG	SADSH	WRG	RYGR	RRRPF	FIW	SLG	ILSL	FLIPR	AGL	LLCPDRPL	120																										
Qy	121	ELALLI	GVGLLD	FCGQ	VCFT	PLEALL	SDLR	DRDP	HC	QAVS	VYAF	MI	SLGG	CLGYLLPA	180																									
Db	121	ELALLI	GVGLLD	FCGQ	VCFT	PLEALL	SDLR	DRDP	HC	QAVS	VYAF	MI	SLGG	CLGYLLPA	180																									
Qy	181	IDWDT	SALAP	YLG	TQEE	CLFG	LLTLI	PLT	CVAA	TLLV	AEAA	LG	TEPA	EGLSAP	LSLPH	240																								
Db	181	IDWDT	SALAP	YLG	TQEE	CLFG	LLTLI	PLT	CVAA	TLLV	AEAA	LG	TEPA	EGLSAP	LSLPH	240																								
Qy	241	CCPC	RLAF	RNLG	ALLP	RLHQL	CC	MPRT	LR	LFV	AE	LC	SM	WAL	MTTFL	FYTD	FV	GGCL	300																					
Db	241	CCPC	RLAF	RNLG	ALLP	RLHQL	CC	MPRT	LR	LFV	AE	LC	SM	WAL	MTTFL	FYTD	FV	GGCL	300																					
Qy	301	YQGV	PR	AE	PG	TEAR	HHY	DE	GV	RM	SG	LG	LF	QCAI	SLV	FSLV	MD	RLV	Q	RG	TR	AV	YL	SA	360															
Db	301	YQGV	PR	AE	PG	TEAR	HHY	DE	GV	RM	SG	LG	LF	QCAI	SLV	FSLV	MD	RLV	Q	RG	TR	AV	YL	SA	360															
Qy	361	APFV	AA	GA	TCL	SHS	VAV	TAS	AA	L	TG	FT	FS	AL	QILPY	T	L	AS	L	Y	H	R	E	K	QV	FL	PK	Y	R	G	D	T	G	420						
Db	361	APFV	AA	GA	TCL	SHS	VAV	TAS	AA	L	TG	FT	FS	AL	QILPY	T	L	AS	L	Y	H	R	E	K	QV	FL	PK	Y	R	G	D	T	G	420						
Qy	421	ASS	ED	SL	MT	S	FL	PC	GP	AP	PN	G	H	VG	AG	SG	LLP	P	P	P	AL	C	G	A	S	A	C	D	S	V	R	V	V	V	G	E	P	T	E	

RESULT 6

US-09-232-149A-113
: Sequence 113. Application us/09232149A

; Patent No. 6465611

PACKING NO.: 0403011
: GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer Lynn

1. TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER

TITLE OF INVENTION: CANCER

FILE REFERENCE: 210121.427C6

; CURRENT APPLICATION NUMBER: US/0

; CURRENT FILING DATE: 199

; NUMBER OF SEQ ID NOS: 338

; SOFTWARE: FastSEQ

; SEQ ID NO 113

; LENGTH: 553

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; TYPE: PRT

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; ORGANISM: Homo

Query Match	100.0%;	Score 2861;	DB 4;	Length 553;
Best Local Similarity	100.0%;	Pred. No. 6.4e-271;		
Matches 553:	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;

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Db      61  PVILGVCPVLLGSADSHWRGRYGRRRPFIWALSIGLILSLFLIPRACWLAGLCCDPDRL  120
Qy      121  ELALLILGVGLLDFCGQVCFTPLEALLSDFLFRPDHCRQAYSVYAFMISLGGCLGYLLPA  180
Db      121  ELALLILGVGLLDFCGQVCFTPLEALLSDFLFRPDHCRQAYSVYAFMISLGGCLGYLLPA  180
Qy      181  IDWDTSAAPYLGTOEECLFGLLTLPITCVAATLLVAEBAALGPTPEAGLSAPLSLPH  240
Db      181  IDWDTSAAPYLGTOEECLFGLLTLPITCVAATLLVAEBAALGPTPEAGLSAPLSLPH  240
Qy      241  CCPCRAFLARNLIGALLPRLHOLCCCRPRTLRLFLVAELCSWMLMTFTLPYTFVGEGL  300
Db      241  CCPCRAFLARNLIGALLPRLHOLCCCRPRTLRLFLVAELCSWMLMTFTLPYTFVGEGL  300
Qy      301  YQGVPRAEPTGEARRHHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGTFRVYLASVA  360
Db      301  YQGVPRAEPTGEARRHHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGTFRVYLASVA  360
Qy      361  AFPVAAGATCLSHSVAVVTASAALTGTFTFSAQLPVTTLASLYHREKQVFLPKYRGDTGG  420
Db      361  AFPVAAGATCLSHSVAVVTASAALTGTFTFSAQLPVTTLASLYHREKQVFLPKYRGDTGG  420
Qy      421  ASSEDSLMTSFLPGPKPGAPFPNGHVAGAGSGLLPPPPALCGASACDVSVRVVVGEPTFA  480
Db      421  ASSEDSLMTSFLPGPKPGAPFPNGHVAGAGSGLLPPPPALCGASACDVSVRVVVGEPTFA  480
Qy      481  RVVPGRGICLDLATLDSAFLLSOVAPSLFMGSIIVOLSQSVTAYVMVSAAGLGLVAIYPATQ  540
Db      481  RVVPGRGICLDLATLDSAFLLSQVAPSLFMGSIIVOLSQSVTAYVMVSAAGLGLVAIYPATQ  540
Qy      541  VVFDKSDLAKYSA 553
Db      541  VVFDKSDLAKYSA 553

RESULT 7
US-09-159-812-113
; Sequence 113, Application US/09159812A
; Patent No. 6613872
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C5
; CURRENT APPLICATION NUMBER: US/09/159,812A
; CURRENT FILING DATE: 1998-09-23
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-159-812-113

```

RESULT 7

US-09-159-812-113

: Sequence 113, Application US/09159812A

; Patent No. 6613872

: GENERAL INFORMATION:

APPLICANT: Xu, Jianqchun

APPLICANT: Dillon, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF

TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.428C5

: CURRENT APPLICATION NUMBER: US/09/159,812A

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NUMBER OF SEQ ID NOS: 306

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 113

; LENGTH: 553

; TYPE: PRT

ORGANISM: Homo sapien

US-09-159-812-113

Query Match	100.0%;	Score 2861;	DB 4;	Length 553;
Best Local Similarity	100.0%;	Pred. No. 6.4e-271;		
Matches 553:	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;

Db 181 IDWTSALAPYLGTQEBCLFGLLTLIFLTCVAATLLVAEEAALGTEPEAEGLSAPSLSPH 240
Qy 241 CCPCRARLAFNRLGALLPRLHQLCCMRPRTLRLRLFVAELCSWMLMTFTLFTVDFVGBGL 300
Db 241 CCPCRARLAFNRLGALLPRLHQLCCMRPRTLRLRLFVAELCSWMLMTFTLFTVDFVGBGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAAALTGTFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAAALTGTFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 8

US-09-636-215-113
; Sequence 113, Application US/09636215
; Patent No. 6620922

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, John A.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien

US-09-636-215-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWLSRLRHRKAQLLVNLTLTFFGLEVCCLAAGITVVPPLLEVGVEEFMTWVLGIG 60
Db 1 MVQRLWLSRLRHRKAQLLVNLTLTFFGLEVCCLAAGITVVPPLLEVGVEEFMTWVLGIG 60
Qy 61 PVLGLVCVPLLGASADHWGRYGRRRPFIFWALSGLISLFLIPRAGWLACGLCPDRPL 120
Db 61 PVLGLVCVPLLGASADHWGRYGRRRPFIFWALSGLISLFLIPRAGWLACGLCPDRPL 120

Qy 121 ELALLILGVGLLDFCGQVCFPTFLEALLSDLFRDPDHCRQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTFLEALLSDLFRDPDHCRQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEBCLFGLLTLIFLTCVAATLLVAEEAALGTEPEAEGLSAPSLSPH 240
Db 181 IDWTSALAPYLGTQEBCLFGLLTLIFLTCVAATLLVAEEAALGTEPEAEGLSAPSLSPH 240
Qy 241 CCPCRARLAFNRLGALLPRLHQLCCMRPRTLRLRLFVAELCSWMLMTFTLFTVDFVGBGL 300
Db 241 CCPCRARLAFNRLGALLPRLHQLCCMRPRTLRLRLFVAELCSWMLMTFTLFTVDFVGBGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAAALTGTFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAAALTGTFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 9

US-09-685-166A-113
; Sequence 113, Application US/09685166A

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien

US-09-685-166A-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Db 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Qy 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120
Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Qy 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSMMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSMMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSGLFLQCAISLVSFLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSGLFLQCAISLVSFLVMDRLVORFGTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553
RESULT 10
US-09-115-453-113
; Sequence 113, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-115-453-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Db 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Qy 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120

Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Qy 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSMMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSMMALMTFTLYTDFVGEGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSGLFLQCAISLVSFLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSGLFLQCAISLVSFLVMDRLVORFGTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553
RESULT 11
US-09-688-489-113
; Sequence 113, Application US/09688489
; Patent No. 6664377
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D2
; CURRENT APPLICATION NUMBER: US/09/688,489
; CURRENT FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-688-489-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Db 1 MVQRLWVSRLRHRKAQALLVNLTLFGLVCLAAAGITVVPPLLEVGVEEKFTMTVLGIG 60
Qy 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFLIPRAGWLAGLCCPDPRPL 120
Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDRDPHCRQAYSVAFAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCAATLLVAEEAALGPTPEAGLSAPSLSPH 240

Qy 241 CCPCRLAFRNLCGALLPRLHQLCCMRPTRLRLRFLVAELCSWMALMTFTLFTYDFVGEGL 300
Db 241 CCPCRLAFRNLCGALLPRLHQLCCMRPTRLRLRFLVAELCSWMALMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Qy 481 RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 12

US-09-679-426-113

; Sequence 113, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolck, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 113

; LENGTH: 553

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-679-426-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;

Qy 1 MVQRLWVSRLRHRKAQLLVNLTLFGLEVCLAAGITYVPVLLLEVGVEEKFMTMVLGIG 60

Db 1 MVQRLWVSRLRHRKAQLLVNLTLFGLEVCLAAGITYVPVLLLEVGVEEKFMTMVLGIG 60

Qy 61 PVGLVLCVPLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCPDRPL 120

Db 61 PVGLVLCVPLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCPDRPL 120

Qy 121 ELALLILGVGLLDFCGQVCFPTPLBALLSDFRDPDCHCRQAYSVYAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTPLBALLSDFRDPDCHCRQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWDTSALAPYLGTQBECLFGLLLTLIPLTCAVATLLVAEEAALGPTPEAGLSAPLSPH 240
Db 181 IDWDTSALAPYLGTQBECLFGLLLTLIPLTCAVATLLVAEEAALGPTPEAGLSAPLSPH 240
Qy 241 CCPCRLAFRNLCGALLPRLHQLCCMRPTRLRLRFLVAELCSWMALMTFTLFTYDFVGEGL 300
Db 241 CCPCRLAFRNLCGALLPRLHQLCCMRPTRLRLRFLVAELCSWMALMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Qy 481 RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 13

US-09-759-143-113

; Sequence 113, Application US/09759143

; Patent No. 6800746

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolck, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 113

; LENGTH: 553

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-759-143-113

Query Match 100.0%; Score 2861; DB 4; Length 553;
Best Local Similarity 100.0%; Pred. No. 6.4e-271; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;

Qy 1 MVQRLWVSRLRHRKAQLLVNLTLFGLEVCLAAGITYVPVLLLEVGVEEKFMTMVLGIG 60

Db 1 MVQLWVSRLLRHKAQQLLVNLTFTGLEVCCLAAGITVVPPLLELVGVEEKFMVVLGIG 60
Qy 61 PVLGLVCPVLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVLGLVCPVLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLFRDPDHCRQAYSVAFAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLFRDPDHCRQAYSVAFAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTOEBCFLGLLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTOEBCFLGLLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Qy 241 CCPCRARLAFRNLAGLLPRLHQLCCRMPTLRLRFLVAELCSMMALMTFTLFTYDFVGEGL 300
Db 241 CCPCRARLAFRNLAGLLPRLHQLCCRMPTLRLRFLVAELCSMMALMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 14

US-09-651-236-113
; Sequence 113, Application US/09651236
; Patent No. 6818751

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 113

; LENGTH: 553

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-651-236-113

Query Match 100.0%; Score 2861; DB 4; Length 553;

Best Local Similarity 100.0%; Pred. No. 6.4e-271;

Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQLWVSRLLRHKAQQLLVNLTFTGLEVCCLAAGITVVPPLLELVGVEEKFMVVLGIG 60
Db 1 MVQLWVSRLLRHKAQQLLVNLTFTGLEVCCLAAGITVVPPLLELVGVEEKFMVVLGIG 60
Qy 61 PVLGLVCPVLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVLGLVCPVLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDRPL 120
Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLFRDPDHCRQAYSVAFAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLFRDPDHCRQAYSVAFAFMISLGGCLGYLLPA 180
Qy 181 IDWTSALAPYLGTOEBCFLGLLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTOEBCFLGLLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Qy 241 CCPCRARLAFRNLAGLLPRLHQLCCRMPTLRLRFLVAELCSMMALMTFTLFTYDFVGEGL 300
Db 241 CCPCRARLAFRNLAGLLPRLHQLCCRMPTLRLRFLVAELCSMMALMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRTRAVYLASVA 360
Qy 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKOVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480
Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 15

US-09-636-215-708

; Sequence 708, Application US/09636215

; Patent No. 6620922

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215

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; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 708
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-636-215-708

Query Match      49.5%; Score 1417.5; DB 4; Length 371;
Best Local Similarity 90.0%; Pred No. 5e-130;
Matches 269; Conservative 6; Mismatches 11; Indels 13; Gaps 1;

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Db 9 SLVPLPLALYLSQPLTHTTSL-----AGIGPVILGVCPVLLGSASDHWRGR 55

Qy 82 YGRRRPFTWALSGLILLSLFLIPRAGWLAGLLCPDPRLPLELALLILGVGLLDPCGQVCFT 141
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 56 YGRRRPFTWALSGLILLSLFLIPRAGWLAGLLCPDPRLPLELALLILGVGLLDPCGQVCFT 115

Qy 142 PLEALLSDFRDPDHCROAYSVYAFMISLGGCLGYLLPAIDWDTSAAPYLGTOECCLFG 201
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 116 PLEALLSDFRDPDHCROAYSVYAFMISLGGCLGYLLPAIDWDTSAAPYLGTOECCLFG 175

Qy 202 LLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRLH 261
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 176 LLTLIFLTCVAATLLVAEEAALGTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRLH 235

Qy 262 QLCCRMPTLRLRFVAELCSWALMTFTLFYTDVFVGEGLYQGVPRAEPTGTEARRHYDEG 320
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 236 QLCCRMPTLRLRFVAELCSWALMTFTLFYTDVFVGEGLYQGVPRAEPTGTEARRHYDEG 294
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Job time : 46 secs

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OM protein - protein search, using sw model

Run on: June 16, 2005, 12:48:08 ; Search time 159 Seconds
(without alignments)
1335.476 Million cell updates/sec

Title: US-09-605-783A-113
Perfect score: 2861
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Scoring table: BLOSUM62

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Post-processing: Minimum Match 0%

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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2861	100.0	553	9	US-09-745-288-101
2	2861	100.0	553	9	US-09-838-785-2
3	2861	100.0	553	9	US-09-759-143-113
4	2861	100.0	553	9	US-09-780-669-113
5	2861	100.0	553	9	US-09-030-606-113
6	2861	100.0	553	9	US-09-822-827-113
7	2861	100.0	553	9	US-09-115-453-113
8	2861	100.0	553	9	US-09-232-880-113
9	2861	100.0	553	9	US-09-895-793-113
10	2861	100.0	553	9	US-09-895-814-113
11	2861	100.0	553	13	US-10-012-896-113
12	2861	100.0	553	14	US-10-010-940-113
13	2861	100.0	553	14	US-10-144-678A-113
14	2861	100.0	553	14	US-10-005-907-113
15	2861	100.0	553	14	US-10-294-025-113
16	2861	100.0	553	15	US-10-295-027-548
17	2861	100.0	553	15	US-10-295-027-902
18	2861	100.0	553	15	US-10-453-919-101
19	2861	100.0	553	16	US-10-688-838-113
20	2861	100.0	553	16	US-10-403-142-2
21	2861	100.0	553	17	US-10-936-626-99
22	2861	100.0	553	17	US-10-938-061-99
23	2861	100.0	553	17	US-10-732-923-24012
24	2861	100.0	1079	9	US-09-822-827-947
25	2861	100.0	1079	9	US-09-895-793-947
26	2798	97.8	553	17	US-10-732-923-24008
27	2619	91.5	553	17	US-10-732-923-23905
28	2602	90.9	553	17	US-10-732-923-23903
29	2601	90.9	710	14	US-10-296-770-4
30	2531	88.5	501	17	US-10-732-923-24009
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33	1696	59.3	359	9	US-09-895-793-974
34	1677.5	58.6	530	14	US-10-296-770-5
35	1517	53.0	305	14	US-10-144-678A-1029
36	1517	53.0	305	14	US-10-294-025-1029
37	1417.5	49.5	371	9	US-09-759-143-708
38	1417.5	49.5	371	9	US-09-780-669-708
39	1417.5	49.5	371	9	US-09-822-827-708
40	1417.5	49.5	371	9	US-09-895-793-708
41	1417.5	49.5	371	9	US-09-895-814-708
42	1417.5	49.5	371	13	US-10-012-896-708
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44	1417.5	49.5	371	14	US-10-294-025-708
45	1416	49.5	371	11	US-09-833-245-852

ALIGNMENTS

RESULT 1
US-09-745-288-101
; Sequence 101, Application US/09745288
; Patent No. US20010018058A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.446D1
; CURRENT APPLICATION NUMBER: US/09/745.288
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-745-288-101

Query Match	100.0%	Score 2861;	DB 9;	Length 553;
Best Local Similarity	100.0%	Pred. No. 7.7e-240;		
Matches 553;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MVQRLWVSRLLRHRKAQLLNLITFGLEVCLAAGITVPPLELLEVGVEEKFMTVLIG 60		
Db	1	MVQRLWVSRLLRHRKAQLLNLITFGLEVCLAAGITVPPLELLEVGVEEKFMTVLIG 60		
Qy	61	PVLGLVCPVLLGSADHWGRYGRRRPFIALSGILLSLFLIPRAGWLAGLCCDPRPL 120		
Db	61	PVLGLVCPVLLGSADHWGRYGRRRPFIALSGILLSLFLIPRAGWLAGLCCDPRPL 120		
Qy	121	ELALLILGVLLDFCGVCFPTLEALLSDLPRDPDHCRCQAYSVYAFMISLGGCLGYLLPA 180		

Db 121 ELALLILGVGLDFCGQVCFTPLLEALLSDLFRDPDHCRQAYSVYAFMISLGGCLGYLLPA 180
Qy 181 IDWDTSAALPYLGTQEECLFGLLTLIFLTCVAATLLVAEEAALGPTPEAEGLSAPSLSPH 240
Db 181 IDWDTSAALPYLGTQEECLFGLLTLIFLTCVAATLLVAEEAALGPTPEAEGLSAPSLSPH 240
Qy 241 CCPCRARLAFNRLGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLFTYDFVGGGL 300
Db 241 CCPCRARLAFNRLGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLFTYDFVGGGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
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Qy 361 APFAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APFAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Qy 481 RVVPRGICLDLALILDSAFLLSQVAPSLFMGSIIVQLSOSVTAYMVSAAGLGLVATYFATQ 540
Db 481 RVVPRGICLDLALILDSAFLLSQVAPSLFMGSIIVQLSOSVTAYMVSAAGLGLVATYFATQ 540
Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 2

US-09-838-785-2
; Sequence 2, Application US/09838785
; Patent No. US2002009455A1
; GENERAL INFORMATION:
; APPLICANT: Lau, Ted
; APPLICANT: Lin, Rick
; APPLICANT: Parkes, Debbie
; APPLICANT: Parry, Gordon
; APPLICANT: Schneider, Douglas
; APPLICANT: Steinbrecher, Renate
; APPLICANT: Van Heuit, Pam T
; APPLICANT: Wu, John
; TITLE OF INVENTION: DNA Encoding a No. US20020009455a1el PROST 03
; FILE REFERENCE: 51831AUSM1
; CURRENT APPLICATION NUMBER: US/09/838,785
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/200,065
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-838-785-2

Query Match 100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;
Qy 1 MVQRLWVSRLRHRKAQILLNLLTFFGLEVCIAAGITYVPPLLLEVGVEEKFMTVLGIG 60
Db 1 MVQRLWVSRLRHRKAQILLNLLTFFGLEVCIAAGITYVPPLLLEVGVEEKFMTVLGIG 60
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Db 61 PVGLVUCVPLIGSASDHWGRYGRRRPTIWSLGLILSLFLIPRAGWLAGLLCPDPRPL 120
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Db 121 ELALLILGVGLDFCGQVCFTPLLEALLSDLFRDPDHCRQAYSVYAFMISLGGCLGYLLPA 180
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Db 241 CCPCRARLAFNRLGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLFTYDFVGGGL 300
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Qy 361 APFAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
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Db 541 VVFDKSDLAKYSA 553

RESULT 3

US-09-759-143-113
; Sequence 113, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759.143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-759-143-113

Query Match 100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;
Qy 1 MVQRLWVSRLRHRKAQILLNLLTFFGLEVCIAAGITYVPPLLLEVGVEEKFMTVLGIG 60
Db 1 MVQRLWVSRLRHRKAQILLNLLTFFGLEVCIAAGITYVPPLLLEVGVEEKFMTVLGIG 60

Qy 61 PVLGVCVPLGSGASDHWGRYGRRRPFIWALSGLLSLFLIPRAGWLAGLCPDRPL 120
Db 61 PVLGVCVPLGSGASDHWGRYGRRRPFIWALSGLLSLFLIPRAGWLAGLCPDRPL 120
Qy 121 ELALLIIGVGLDPCGQVCFPLEALLSDLPDRDHCQAYSVYAFMISLGGCLGYLLPA 180
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Qy 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCTVAATLLVAEEAALGTEPAEGLSAPLSPH 240
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Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
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Qy 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Db 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 4

US-09-780-669-113

Sequence 113, Application US/09780669

Patent No. US20020051977A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yuqi

APPLICANT: Henderson, Robert A.

APPLICANT: Kalos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.

APPLICANT: Stoik, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedrick, Thomas S.

APPLICANT: Carter, Darriack

APPLICANT: Li, Samuel

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Hepler, William

APPLICANT: Hural, John

APPLICANT: McNeill, Patricia D.

APPLICANT: Houghton, Raymond L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.427C24

CURRENT APPLICATION NUMBER: US/09/780.669

CURRENT FILING DATE: 2001-02-09

NUMBER OF SEQ ID NOS: 943

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 113

LENGTH: 553

TYPE: PRT

ORGANISM: Homo sapien

US-09-780-669-113

Query Match 100.0%; Score 2861; DB 9; Length 553;

Best Local Similarity 100.0%; Pred. No. 7.7e-240; Indels 0; Gaps 0;

Matches 553; Conservative 0; Mismatches 0;

Qy 1 MVQRLWVSRLLRHKAKQLLVNLLTFTGLEVCCLAAGITVVPPLLELVGVEEKFTMTVLGIG 60

Db 1 MVQRLWVSRLLRHKAKQLLVNLLTFTGLEVCCLAAGITVVPPLLELVGVEEKFTMTVLGIG 60

Qy 61 PVLGVCVPLGSGASDHWGRYGRRRPFIWALSGLLSLFLIPRAGWLAGLCPDRPL 120

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Db 121 ELALLIIGVGLDPCGQVCFPLEALLSDLPDRDHCQAYSVYAFMISLGGCLGYLLPA 180

Qy 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCTVAATLLVAEEAALGTEPAEGLSAPLSPH 240

Db 181 IDWTSALAPYLGTQEECLFGLLTLLIPLTCTVAATLLVAEEAALGTEPAEGLSAPLSPH 240

Qy 241 CCPCRLAFRNLCALLPRLHQLCCRPRTLRLRFVAELCSWMALMTFTLYTDFVGEGL 300

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Qy 301 YQGVPRAEPTGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Db 301 YQGVPRAEPTGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Qy 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Db 361 APVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy 421 ASSEDSLMTSFLPGKPGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480

Db 421 ASSEDSLMTSFLPGKPGAPPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTA 480

Qy 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540

Db 481 RVVPRGICLDLALDSAFLLSQVAPSLFMGSIVOLQSQTAYMVSAAGLGLVAIYFATQ 540

Qy 541 VVFDKSLAKYSA 553

Db 541 VVFDKSLAKYSA 553

RESULT 5

US-09-030-606-113

Sequence 113, Application US/09030606

Patent No. US20020081580A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS F

NUMBER OF SEQUENCES: 224

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/030.606

FILING DATE: 25-FEB-1998

CLASSIFICATION:

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; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.428C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 113:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 553 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-606-113

Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITYVPVLLLEVGVEEKFMTWVLGIG 60
Db      1  MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITYVPVLLLEVGVEEKFMTWVLGIG 60

Qy      61  PVLGLVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120
Db      61  PVLGLVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120

Qy      121  ELALLILGVGLLDFCGQVCFTPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180
Db      121  ELALLILGVGLLDFCGQVCFTPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180

Qy      181  IDWTSALAPYLGTQEELFGLLTILFTCVAAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db      181  IDWTSALAPYLGTQEELFGLLTILFTCVAAATLLVAEEAALGTEPAEGLSAPLSPH 240

Qy      241  CCPCRARLAFNGLGALLPRLHQLCCMRPTRLRRLFVAELCSWMAALMTFTLYTDFVGEGL 300
Db      241  CCPCRARLAFNGLGALLPRLHQLCCMRPTRLRRLFVAELCSWMAALMTFTLYTDFVGEGL 300

Qy      301  YQGVPRAEPTGARHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db      301  YQGVPRAEPTGARHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRVAVLASVA 360

Qy      361  APVAAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db      361  APVAAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy      421  ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db      421  ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480

Qy      481  RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db      481  RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAAGLGLVAIFYATQ 540

Qy      541  VVFDKSDIAKYSA 553
Db      541  VVFDKSDIAKYSA 553

RESULT 6
US-09-822-827-113
; Sequence 113, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
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; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-822-827-113

Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITYVPVLLLEVGVEEKFMTWVLGIG 60
Db      1  MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITYVPVLLLEVGVEEKFMTWVLGIG 60

Qy      61  PVLGLVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120
Db      61  PVLGLVCVPLLGASDHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120

Qy      121  ELALLILGVGLLDFCGQVCFTPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180
Db      121  ELALLILGVGLLDFCGQVCFTPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180

Qy      181  IDWTSALAPYLGTQEELFGLLTILFTCVAAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db      181  IDWTSALAPYLGTQEELFGLLTILFTCVAAATLLVAEEAALGTEPAEGLSAPLSPH 240

Qy      241  CCPCRARLAFNGLGALLPRLHQLCCMRPTRLRRLFVAELCSWMAALMTFTLYTDFVGEGL 300
Db      241  CCPCRARLAFNGLGALLPRLHQLCCMRPTRLRRLFVAELCSWMAALMTFTLYTDFVGEGL 300

Qy      301  YQGVPRAEPTGARHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db      301  YQGVPRAEPTGARHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVQRFGRVAVLASVA 360

Qy      361  APVAAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db      361  APVAAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy      421  ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db      421  ASSEDSLMTSFLPGPKPGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480

Qy      481  RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db      481  RVVPRGICLDLAIDLDSAFLLSQVAPSLFMGSIQVLSQSVTAYMVSAAGLGLVAIFYATQ 540

Qy      541  VVFDKSDIAKYSA 553
Db      541  VVFDKSDIAKYSA 553

RESULT 7
US-09-115-453-113
; Sequence 113, Application US/09115453B
; Patent No. US20020090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-115-453-113
```

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Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLLRHKAQALLVNLTLTFLGLEVCLAAGITVPVPLLLLEVGVEEKFMVTMLVIG 60
Db 1 MVQRLWVSRLLRHKAQALLVNLTLTFLGLEVCLAAGITVPVPLLLLEVGVEEKFMVTMLVIG 60
Qy 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFIIPRAGWLAGLLCCDPDRPL 120
Db 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFIIPRAGWLAGLLCCDPDRPL 120
Qy 121 ELALLILGVGLDFCGQVCFPTPLEALLSDLPDCHCRQAYSVYAFMISLGSCGLGYLLPA 180
Db 121 ELALLILGVGLDFCGQVCFPTPLEALLSDLPDCHCRQAYSVYAFMISLGSCGLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEBCLFGLLLTLIPLTVCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTQEBCLFGLLLTLIPLTVCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Qy 241 CCPCRLAFRNIGALLPRLHQLCCRPRTLRRLFVAELCSWMLMTFTLFTYDFVGEGL 300
Db 241 CCPCRLAFRNIGALLPRLHQLCCRPRTLRRLFVAELCSWMLMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Qy 361 APVAAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVGEPTA 480
Db 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVGEPTA 480
Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 8
US-09-232-880-113
; Sequence 113, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232,880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-232-880-113

Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLLRHKAQALLVNLTLTFLGLEVCLAAGITVPVPLLLLEVGVEEKFMVTMLVIG 60
Db 1 MVQRLWVSRLLRHKAQALLVNLTLTFLGLEVCLAAGITVPVPLLLLEVGVEEKFMVTMLVIG 60
Qy 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFIIPRAGWLAGLLCCDPDRPL 120
Db 61 PVGLGVCVPLLGASDHWGRYGRRRPFIWALSGLILLSLFIIPRAGWLAGLLCCDPDRPL 120
Qy 121 ELALLILGVGLDFCGQVCFPTPLEALLSDLPDCHCRQAYSVYAFMISLGSCGLGYLLPA 180
Db 121 ELALLILGVGLDFCGQVCFPTPLEALLSDLPDCHCRQAYSVYAFMISLGSCGLGYLLPA 180
Qy 181 IDWTSALAPYLGTQEBCLFGLLLTLIPLTVCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTQEBCLFGLLLTLIPLTVCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Qy 241 CCPCRLAFRNIGALLPRLHQLCCRPRTLRRLFVAELCSWMLMTFTLFTYDFVGEGL 300
Db 241 CCPCRLAFRNIGALLPRLHQLCCRPRTLRRLFVAELCSWMLMTFTLFTYDFVGEGL 300
Qy 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGVRMGSLGLFLQCAISLVFSLVMDRLVQRFGRVAVLASVA 360
Qy 361 APVAAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVAAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Qy 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVGEPTA 480
Db 421 ASSEDSLMTSLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVGEPTA 480
Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Db 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIIVQLSQSVTAYMVSAAGLGLVAIFYATQ 540
Qy 541 VVFDKSLAKYSA 553
Db 541 VVFDKSLAKYSA 553

RESULT 9
US-09-895-793-113
; Sequence 113, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 113
; LENGTH: 553
; TYPE: PR1
; ORGANISM: Homo sapien
US-09-895-793-113

Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;

Qy 1 MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITVVPPLLEVGVEEKFMTMVLGIG 60
Db 1 MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITVVPPLLEVGVEEKFMTMVLGIG 60

Qy 61 PVLGLVCVPLLGASDHWGRYGRRRPFIFWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRPFIFWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120

Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDHPDHCROQSVVAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDHPDHCROQSVVAFMISLGGCLGYLLPA 180

Qy 181 IDWTSALAPYLGTQEECLFGLLTILFLITCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTQEECLFGLLTILFLITCVAATLLVAEEAALGTEPAEGLSAPLSPH 240

Qy 241 CCPCRARLAFNGLGALLPRLHQLCCRMPTLRLRFVABLCSWMALMTFTLFYTFVVGSL 300
Db 241 CCPCRARLAFNGLGALLPRLHQLCCRMPTLRLRFVABLCSWMALMTFTLFYTFVVGSL 300

Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Qy 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy 421 ASSEDSMTSFLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSMTSFLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480

Qy 481 RVVPRGICLDLAILDSAPLSQVAPSLFMGSIIVQLSOSVTAYMVVSAAGLGLVIFYATQ 540
Db 481 RVVPRGICLDLAILDSAPLSQVAPSLFMGSIIVQLSOSVTAYMVVSAAGLGLVIFYATQ 540

Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 10
US-09-895-814-113
; Sequence 113, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
```

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; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PR1
; ORGANISM: Homo sapien
US-09-895-814-113

Query Match      100.0%; Score 2861; DB 9; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240; Indels 0; Gaps 0;
Matches 553; Conservative 0; Mismatches 0;

Qy 1 MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITVVPPLLEVGVEEKFMTMVLGIG 60
Db 1 MVQRLWVSRLRHRKAQALLVNLITFGLEVCLAAGITVVPPLLEVGVEEKFMTMVLGIG 60

Qy 61 PVLGLVCVPLLGASDHWGRYGRRRPFIFWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120
Db 61 PVLGLVCVPLLGASDHWGRYGRRRPFIFWALSIGILLSLFLIPRAGWLAGLLCPDPRPL 120

Qy 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDHPDHCROQSVVAFMISLGGCLGYLLPA 180
Db 121 ELALLILGVGLLDFCGQVCFPTLEALLSDLPDHPDHCROQSVVAFMISLGGCLGYLLPA 180

Qy 181 IDWTSALAPYLGTQEECLFGLLTILFLITCVAATLLVAEEAALGTEPAEGLSAPLSPH 240
Db 181 IDWTSALAPYLGTQEECLFGLLTILFLITCVAATLLVAEEAALGTEPAEGLSAPLSPH 240

Qy 241 CCPCRARLAFNGLGALLPRLHQLCCRMPTLRLRFVABLCSWMALMTFTLFYTFVVGSL 300
Db 241 CCPCRARLAFNGLGALLPRLHQLCCRMPTLRLRFVABLCSWMALMTFTLFYTFVVGSL 300

Qy 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRABPGTEARRHYDEGVRMGSLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Qy 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db 361 APVVAAGATCLSHSVAVVTASAAITGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy 421 ASSEDSMTSFLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480
Db 421 ASSEDSMTSFLPGPKGAPPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTEA 480

Qy 481 RVVPRGICLDLAILDSAPLSQVAPSLFMGSIIVQLSOSVTAYMVVSAAGLGLVIFYATQ 540
Db 481 RVVPRGICLDLAILDSAPLSQVAPSLFMGSIIVQLSOSVTAYMVVSAAGLGLVIFYATQ 540

Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

RESULT 11
US-10-012-896-113
; Sequence 113, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
```

APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Meagher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 113
LENGTH: 553
TYPE: PRT
ORGANISM: Homo sapiens
US-10-012-896-113

Query Match 100.0%; Score 2861; DB 13; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWSRLRHRKAQALLVNLTFGLVCLAAAGITVVPPLLEVGVEEKFMVTLGIG 60
Db 1 MVQRLWSRLRHRKAQALLVNLTFGLVCLAAAGITVVPPLLEVGVEEKFMVTLGIG 60

Qy 61 PVGLVCVPLLGASDHWGRYGRRRPFIMWLSLIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVGLVCVPLLGASDHWGRYGRRRPFIMWLSLIGILLSLFLIPRAGWLAGLLCPDRPL 120

Qy 121 ELALLILGVGLDFCGQVCFPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180
Db 121 ELALLILGVGLDFCGQVCFPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180

Qy 181 IDWDTSAALPYLGTQEBCLFGLLTILFTCVAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db 181 IDWDTSAALPYLGTQEBCLFGLLTILFTCVAATLLVAEEAALGPTPEAGLSAPSLSPH 240

Qy 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLYTDFVGEGL 300

Qy 301 YQGVPRAPGTEARRHYDEGRVMSGLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGRVMSGLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Qy 361 APVAAGATCLSHSVAVVTASALTGFTFSALQILPYTLASLYHREKQVFLPKRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASALTGFTFSALQILPYTLASLYHREKQVFLPKRGDTGG 420

Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGPEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGPEPTA 480

Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQLSQSVTYAYMVSAGLGLVAIFYATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQLSQSVTYAYMVSAGLGLVAIFYATQ 540

Qy 541 VVFDKSDLAKYSA 553

Db 541 VVFDKSDLAKYSA 553

RESULT 12
US-10-010-940-113
; Sequence 113, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Salk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010,940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-010-940-113

Query Match 100.0%; Score 2861; DB 14; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWSRLRHRKAQALLVNLTFGLVCLAAAGITVVPPLLEVGVEEKFMVTLGIG 60
Db 1 MVQRLWSRLRHRKAQALLVNLTFGLVCLAAAGITVVPPLLEVGVEEKFMVTLGIG 60

Qy 61 PVGLVCVPLLGASDHWGRYGRRRPFIMWLSLIGILLSLFLIPRAGWLAGLLCPDRPL 120
Db 61 PVGLVCVPLLGASDHWGRYGRRRPFIMWLSLIGILLSLFLIPRAGWLAGLLCPDRPL 120

Qy 121 ELALLILGVGLDFCGQVCFPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180
Db 121 ELALLILGVGLDFCGQVCFPLEALLSDLFRDPDHCQAYSVYAFMISLGGCIGYLLPA 180

Qy 181 IDWDTSAALPYLGTQEBCLFGLLTILFTCVAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db 181 IDWDTSAALPYLGTQEBCLFGLLTILFTCVAATLLVAEEAALGPTPEAGLSAPSLSPH 240

Qy 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLYTDFVGEGL 300
Db 241 CCPCRARLAFRNIGALLPRLHQLCCRMPTLRLRFLVABLCSWMALMTFTLYTDFVGEGL 300

Qy 301 YQGVPRAPGTEARRHYDEGRVMSGLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360
Db 301 YQGVPRAPGTEARRHYDEGRVMSGLGLFLOCAISLVFSLVMDRLVORFGTRAVYLASVA 360

Qy 361 APVAAGATCLSHSVAVVTASALTGFTFSALQILPYTLASLYHREKQVFLPKRGDTGG 420
Db 361 APVAAGATCLSHSVAVVTASALTGFTFSALQILPYTLASLYHREKQVFLPKRGDTGG 420

Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGPEPTA 480
Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGPEPTA 480

Qy 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQLSQSVTYAYMVSAGLGLVAIFYATQ 540
Db 481 RVVPRGICLDLAILDSAFLLSQVAPSLFMGSIQLSQSVTYAYMVSAGLGLVAIFYATQ 540

Qy 541 VFEDKSLAKYSA 553
 Db 541 VFEDKSLAKYSA 553

RESULT 13
 US-10-144-678A-113
 ; Sequence 113, Application US/10144678A
 ; Publication No. US20030157089A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Devin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedrick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A. W.
 ; APPLICANT: Hepler, William T.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals y de Bassols, Carlota
 ; APPLICANT: Foy, Teresa M.
 ; APPLICANT: Watanabe, Yoshihiro
 ; APPLICANT: Deng, Ta
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C28
 ; CURRENT APPLICATION NUMBER: US/10/144,678A
 ; CURRENT FILING DATE: 2002-08-12
 ; NUMBER OF SEQ ID NOS: 1033
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 113
 ; LENGTH: 553
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-10-144-678A-113

Query Match 100.0%; Score 2861; DB 14; Length 553;
 Best Local Similarity 100.0%; Pred. No. 7.7e-240;
 Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLRHRKAQLLNLLTFGLVCLAAAGITVPPLLLLEVGVVEEKFMTMVLGIG 60
 Db 1 MVQRLWVSRLRHRKAQLLNLLTFGLVCLAAAGITVPPLLLLEVGVVEEKFMTMVLGIG 60

Qy 61 PVGLGVCVPLIGSADHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCCPDPRPL 120
 Db 61 PVGLGVCVPLIGSADHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCCPDPRPL 120

Qy 121 ELALLILGVLLDFCGQVCFPLEALLSDLPDPDCHRCQAYSVAFMISLGGCLGYLLPA 180
 Db 121 ELALLILGVLLDFCGQVCFPLEALLSDLPDPDCHRCQAYSVAFMISLGGCLGYLLPA 180

Qy 181 IDWTSALAPYLGTQECLFGLLTILFTCVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
 Db 181 IDWTSALAPYLGTQECLFGLLTILFTCVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240

Qy 241 CCPCRLAFRNILGALLPRHLQCCMRPTLRLFVaelCSWMAIMTFTLFTYDFVGEGL 300
 Db 241 CCPCRLAFRNILGALLPRHLQCCMRPTLRLFVaelCSWMAIMTFTLFTYDFVGEGL 300

Qy 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQFGTRAVYLASVA 360
 Db 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQFGTRAVYLASVA 360

Qy 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
 Db 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Db 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQFGTRAVYLASVA 360
 Qy 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
 Db 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
 Qy 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTTEA 480
 Db 421 ASSEDSLMTSFLPGPKGAPFPNGHVAGGSGLLPPPPALCGASACDVSVRVVVGEPTTEA 480
 Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
 Db 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
 Qy 541 VFEDKSLAKYSA 553
 Db 541 VFEDKSLAKYSA 553

RESULT 14
 US-10-005-907-13
 ; Sequence 13, Application US/10005907
 ; Publication No. US20030166881A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Union Chimique Belge, S. A.
 ; APPLICANT: No. US20030166881A1Alka, Karl
 ; APPLICANT: Pirozzi, Gregory
 ; APPLICANT: Einstein, Richard
 ; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
 ; FILE REFERENCE: 053529-5005
 ; CURRENT APPLICATION NUMBER: US/10/005,907
 ; CURRENT FILING DATE: 2001-12-07
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 13
 ; LENGTH: 553
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-10-005-907-13

Query Match 100.0%; Score 2861; DB 14; Length 553;
 Best Local Similarity 100.0%; Pred. No. 7.7e-240;
 Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLRHRKAQLLNLLTFGLVCLAAAGITVPPLLLLEVGVVEEKFMTMVLGIG 60
 Db 1 MVQRLWVSRLRHRKAQLLNLLTFGLVCLAAAGITVPPLLLLEVGVVEEKFMTMVLGIG 60

Qy 61 PVGLGVCVPLIGSADHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCCPDPRPL 120
 Db 61 PVGLGVCVPLIGSADHWGRYGRRRPFIWALSIGILLSLFLIPRAGWLAGLCCPDPRPL 120

Qy 121 ELALLILGVLLDFCGQVCFPLEALLSDLPDPDCHRCQAYSVAFMISLGGCLGYLLPA 180
 Db 121 ELALLILGVLLDFCGQVCFPLEALLSDLPDPDCHRCQAYSVAFMISLGGCLGYLLPA 180

Qy 181 IDWTSALAPYLGTQECLFGLLTILFTCVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240
 Db 181 IDWTSALAPYLGTQECLFGLLTILFTCVAAATLLVAEEAALGPTPEAGLSAPLSLSPH 240

Qy 241 CCPCRLAFRNILGALLPRHLQCCMRPTLRLFVaelCSWMAIMTFTLFTYDFVGEGL 300
 Db 241 CCPCRLAFRNILGALLPRHLQCCMRPTLRLFVaelCSWMAIMTFTLFTYDFVGEGL 300

Qy 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQFGTRAVYLASVA 360
 Db 301 YQGVPRAPGTEARRHYDEGVGMGSLGLFLQCAISLVFSLVMDRLVQFGTRAVYLASVA 360

Qy 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
 Db 361 AFPVAAGATCLSHSVAVVTASAAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420

Qy 421 ASSEDSMTSLFPGPKGAPPNGHVAGGSGLLPPPPALCGACACDVSVRVVVGEPTEA 480
Db |||||
Qy 421 ASSEDSMTSLFPGPKGAPPNGHVAGGSGLLPPPPALCGACACDVSVRVVVGEPTEA 480
Db |||||
Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Db |||||
Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
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Qy 541 VVFDKSDLAKYSA 553
Db |||||
Qy 541 VVFDKSDLAKYSA 553
Db |||||

RESULT 15
US-10-294-025-113
; Sequence 113, Application US/10294025
; Publication No. US20030185930A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-294-025-113

Query Match 100.0%; Score 2861; DB 14; Length 553;
Best Local Similarity 100.0%; Pred. No. 7.7e-240;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQRLWVSRLLRHRKAQLLVNLTLFGLVCLAAAGITYVPPLLLEVGVEEKFTMTVLGIG 60
Db |||||
Qy 1 MVQRLWVSRLLRHRKAQLLVNLTLFGLVCLAAAGITYVPPLLLEVGVEEKFTMTVLGIG 60
Db |||||
Qy 61 PVLGLVCVPLLAGSADHWRGRYGRRRPFIMWLSLGLLSLFLPRAGWLAGLCCPDPRPL 120
Db |||||
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Qy 121 ELALLILGVGLLDFCGQVCFPLEALLSDLPDPDHCQAYSVYAFMISLGGCLGYLLPA 180
Db |||||
Qy 121 ELALLILGVGLLDFCGQVCFPLEALLSDLPDPDHCQAYSVYAFMISLGGCLGYLLPA 180
Db |||||
Qy 181 IDWDTSAAPYLGTOEECLFGLTLIFLTCVAATLLVAEEAALGPTPEAGLSAPSLSPH 240
Db |||||
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Qy 241 CCPCRARLAFRNGLALLPRLHQLCCRMPTLRRFLVAELCSWMALMTFTFYTDVGEGL 300
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Qy 241 CCPCRARLAFRNGLALLPRLHQLCCRMPTLRRFLVAELCSWMALMTFTFYTDVGEGL 300
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Qy 301 YQGVPRABPGTEARRHYDEGVNMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
Db |||||
Qy 301 YQGVPRABPGTEARRHYDEGVNMGSLGLFLQCAISLVFSLVMDRLVQRFQTRAVYLASVA 360
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Qy 361 APPVAAGATCLSHSVAVVTASAAATGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db |||||
Qy 361 APPVAAGATCLSHSVAVVTASAAATGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG 420
Db |||||
Qy 421 ASSEDSMTSLFPGPKGAPPNGHVAGGSGLLPPPPALCGACACDVSVRVVVGEPTEA 480
Db |||||
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Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
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Qy 481 RVVPGRGICLDLAILDSAFLLSQVAPSLFMGSIVOLQSQSVTAYMVSAAGLGLVAIYFATQ 540
Db |||||

Qy 541 VVFDKSDLAKYSA 553
Db 541 VVFDKSDLAKYSA 553

Search completed: June 16, 2005, 13:30:10
Job time : 161 secs

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Db |||||
61 GTGATGAGACGTGTCCCACCTAGAGTGCCCAACAGCAGCAGAGTGTGTAGCAATGGGCTGAG 120
QY 121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGGCGCCTGGCTGATTCCTAGGCAGTT 180
Db |||||
121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGGCGCCTGGCTGATTCCTAGGCAGTT 180
QY 181 GCGCGCAGCAGGAGGAGGCGCAGCTTCTGGAGCAGAGCCGAGAGCAAGACAGTTCCTG 240
Db |||||
181 GCGCGCAGCAGGAGGAGGCGCAGCTTCTGGAGCAGAGCCGAGAGCAAGACAGTTCCTG 240
QY 241 GAGTGCCTGAACGGCCCCCTAGCGCCTACCGCCTGGCCCACTATGGTCCAGAGGCTGTG 300
Db |||||
241 GAGTGCCTGAACGGCCCCCTAGCGCCTACCGCCTGGCCCACTATGGTCCAGAGGCTGTG 300
QY 301 GGTGAGCCGCTGTCTGGGCAACCGGAAAGCCAGCTCTTGTGTGTCACCTGTAAACCTT 360
Db |||||
301 GGTGAGCCGCTGTCTGGGCAACCGGAAAGCCAGCTCTTGTGTGTCACCTGTAAACCTT 360
QY 361 TGGCCTGAGAGTGTCTTTGGCGCAGGCAATCACCTATGTGCGCCTCTGTCTGCTGGAAGT 420
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361 TGGCCTGAGAGTGTCTTTGGCGCAGGCAATCACCTATGTGCGCCTCTGTCTGCTGGAAGT 420
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421 GGGGTGAGAGGAGAGTTTATGAACATAGTGTGGGCAATGGTCCAGTGTCTGGGCTGGT 480
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541 GCGCTTCACTGGGCACTGTCTTGGGCATCTGTGAGCCTCTTCTCATCCCAAGGCG 600
QY 601 CGGCTGGCTAGCAGGCTGTGTGCCCCGGATCCCAAGGCCCTGGAGCTGGCACTGCTCAT 660
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QY 661 CTTGGGCGTGGGCTGTGGACTTCTGTGGCAGGTGTGCTTCACTCCAGTGGAGGCGCT 720
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QY 721 GCTCTCTACCTTCTCGGGAACCGGACCACTGTGCGCAGGCTACTCTGTCTATGCTT 780
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721 GCTCTCTACCTTCTCGGGAACCGGACCACTGTGCGCAGGCTACTCTGTCTATGCTT 780
QY 781 CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCCATTTGACTGGGACACCAAG 840
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QY 841 TGCCCTTGCCCTTACCTTGGGCAACCGAGAGAGTGCCCTCTTGGCTGTCTACCTCAT 900
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QY 901 CTTCCTCACTCTGCTAGCAGCACAACCTGCTGGTGTGAGGAGGAGGCGCTGGGCGCCAC 960
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QY 1141 GACCTTCACTGCTGTATTACAGGATTTCTGTGGGCGAGGGGCTGTACAGGGGCTGCCCCAG 1200
Db |||||
1141 GACCTTCACTGCTGTATTACAGGATTTCTGTGGGCGAGGGGCTGTACAGGGGCTGCCCCAG 1200
QY 1201 AGCTGAGCCGGCACCGAGGCGCGGAGACACTATGATGATGATGAGGCGCTTGGATGGGAGCCT 1260
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QY 1261 GGGGCTGTCTGTCAGTGGCGCATCTCCCTGGTCTTCTCTGTGTCATGGACCGGCTGGT 1320
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1321 GCAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGACGCTTTCCTGTGGCTGC 1380
QY 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGTGGTGACAGCTTTCAGCGCGCCTCACCGG 1440
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1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGTGGTGACAGCTTTCAGCGCGCCTCACCGG 1440
QY 1441 GTTCACTTCTCAGCCCTGCGATCTTGGCCCTACACACTGGCCTCCCTCTACCAACCGGGA 1500
Db |||||
1441 GTTCACTTCTCAGCCCTGCGATCTTGGCCCTACACACTGGCCTCCCTCTACCAACCGGGA 1500
QY 1501 GAAGCAGGTGTCTGCGCCAAATAACGAGGGGAACA CTGGAGGTGCTAGCAGTGAGGA CAG 1560
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1501 GAAGCAGGTGTCTGCGCCAAATAACGAGGGGAACA CTGGAGGTGCTAGCAGTGAGGA CAG 1560
QY 1561 CCTGATCAGCAGCTTCTGCGCCAGCCTTAAGCTGGAGCTCCCTTCCCTTAATGACACAGT 1620
Db |||||
1561 CCTGATCAGCAGCTTCTGCGCCAGCCTTAAGCTGGAGCTCCCTTCCCTTAATGACACAGT 1620
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1621 GGGTGTGAGGAGCAGTGGCTGTCTCCCACTTCCACCGCGCTCTGCGGGGCTCTGCTGCTG 1680
QY 1681 TGATGTCTCGTACGTGTGTGGTGAGCCCACTCGAGGCGCAGGCTGGTTCGGGCGG 1740
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1681 TGATGTCTCGTACGTGTGTGGTGAGCCCACTCGAGGCGCAGGCTGGTTCGGGCGG 1740
QY 1741 GGGCATCTGCTGAGCCTCGCCATCTCGGATAGTGCCTTCTGCTGTCCCAAGTGGGCCCC 1800
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QY 2041 TTCTGTTGCTGCCAAAGTAAATGTGGCTCTCTGTGCGCCACCTCTGTCTGCTGAGGTGCGTA 2100
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QY 2101 GCTGCACAGCTGGGGGCTGGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTG 2160
Db |||||
2101 GCTGCACAGCTGGGGGCTGGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTG 2160
QY 2161 ACTGGAGGCTTCCAAAGGGGTTTTCAGTCTGGAATTATACAGGAGGCGCCAGAGGGGCTCC 2220
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QY 2221 ATGCACCTGGAATGCGGGGACTCTGCGAGGTGGATTACCCAGGCTCAGGGTTAAAGCTAGC 2280

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Db 2461 GTCTGAGGGGCAACACAGAAGACCAAGTCCCTCAGCCACACAGCACTGCTTTTGTCT 2520
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Db 2641 TGCTAGCTTTTCTGTGTGTCTTAATATTTGGTAGGGTGGGGATCCCCACACATCA 2700
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Db 2701 GGTCCCTCGATAGCTGTCTATTTGGGCTGATCATTTGCCAGAACTTCTTCTCTCGGGGT 2760
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Db 2941 CTCCCTCTACTCTCTCTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
Qy |||||
Db 3001 CCCAACTTCCCTTACCCCACTTTCCCAAGCTTCCCAAGCTTCCCAAGCTTCCCAAGCTT 3060
Qy |||||
Db 3001 CCCAACTTCCCTTACCCCACTTTCCCAAGCTTCCCAAGCTTCCCAAGCTTCCCAAGCTT 3060
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Db 3061 GCAGGACAGAGACACAAAGTCCGTTTCCCAAGCTTTCCTCATCTCAGCCCCCAGAGT 3120
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Db 3061 GCAGGACAGAGACACAAAGTCCGTTTCCCAAGCTTTCCTCATCTCAGCCCCCAGAGT 3120
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Db 3121 ATATCTGTGTGGGAATCTCACAGAAACTCAGAGCAACCCCTTGCCTGAGCTAAGG 3180
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Db 3181 GAGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGCATATGCTTATTTATT 3240
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Db 3181 GAGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGCATATGCTTATTTATT 3240
Qy |||||
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Qy |||||

Db 3301 AAATTAAGGCTTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
Qy |||||
Db 3361 AA 3410
Qy |||||
Db 3361 AA 3410
Qy |||||
RESULT 2
US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/030, 607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-030-607-110
Query Match 100.0%; Score 3410; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACAGCTCTGACGCGCTGCGGTGACAGCCGCGCGCTCGCGCAGGATCTGA 60
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Qy 61 GTGATGAGAGCTGTCCCACTGAGGTGCCCCACACAGCAGCAGGTGTTGAGCATGGGCTGAG 120
Db 61 GTGATGAGAGCTGTCCCACTGAGGTGCCCCACACAGCAGCAGGTGTTGAGCATGGGCTGAG 120
Qy 121 AAGCTGACCGGCACCAAAAGGGCTGGCAGAAATGGGCGCTGCTGATTTCTAGGCAGTT 180
Db 121 AAGCTGACCGGCACCAAAAGGGCTGGCAGAAATGGGCGCTGCTGATTTCTAGGCAGTT 180
Qy 181 GCGGCGCAGCAGGAGGAGGAGCGCCGAGCTTCTGAGCAGAGCCGAGAGCAAGAGTTCTG 240
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Qy 241 GAGTGCCTGAACGGCGCCCTTGAGCCCTACCGCGCTGCGCCCACTATGTTCCAGAGGCTGTG 300
Db 241 GAGTGCCTGAACGGCGCCCTTGAGCCCTACCGCGCTGCGCCCACTATGTTCCAGAGGCTGTG 300

QY 301 GGTGAGCCGCTGTGCGGCACCGGAAAGCCAGCTTGTGCTGTCACCTGCTAACCTT 360
Db GGTGAGCCGCTGTGCGGCACCGGAAAGCCAGCTTGTGCTGTCACCTGCTAACCTT 360
QY 361 TGGCCTGAGAGTGTGTTTGGCGCAGGACATACCTATGTGCGCCTCTGCTGTGGAAGT 420
Db TGGCCTGAGAGTGTGTTTGGCGCAGGACATACCTATGTGCGCCTCTGCTGTGGAAGT 420
QY 421 GGGGTAGAGAGAGTTTCATGACCATGTGCTGGGCATTGGTCAGTGTGGGCTGGT 480
Db GGGGTAGAGAGAGTTTCATGACCATGTGCTGGGCATTGGTCAGTGTGGGCTGGT 480
QY 481 CTGTGTCCCGCTCTTAGGCTCAGCCAGTGAACACTGGCGTGGACGCTATGCGCGCGCG 540
Db CTGTGTCCCGCTCTTAGGCTCAGCCAGTGAACACTGGCGTGGACGCTATGCGCGCGCG 540
QY 541 GCCCTTCATCTGGGACATGCTCTGGGACATCCTGTGAGCCTCTTCTCATCCCAAGGCG 600
Db GCCCTTCATCTGGGACATGCTCTGGGACATCCTGTGAGCCTCTTCTCATCCCAAGGCG 600
QY 601 CGGCTGGCTAGCAGGCTGTGTGCCCGGATCCAGAGCCCTGGAGCTGGCACTGCTCAT 660
Db CGGCTGGCTAGCAGGCTGTGTGCCCGGATCCAGAGCCCTGGAGCTGGCACTGCTCAT 660
QY 661 CTTGGCGTGGGCTGTGGAATCTGTGGCCAGGTGTCTTCACTCCACTGGAGGCGCT 720
Db CTTGGCGTGGGCTGTGGAATCTGTGGCCAGGTGTCTTCACTCCACTGGAGGCGCT 720
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; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillion, Jennifer Lynn
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232.149A
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
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; Sequence 110, Application US/09159812A
; Patent No. 6613872
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C5
; CURRENT APPLICATION NUMBER: US/09/159,812A
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-159-812-110

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2401 TTTCTAGGATGAACACTCTCTCATGGGATTTTCAACATATGACTTATTTAGGGGAAGA 2460
Qy 2461 GTCTCAGGGGCAACACACAGAACCCAGGTCCTCAGCCACAGACACTGTCTTTTTTGCT 2520
Db 2461 GTCTCAGGGGCAACACACAGAACCCAGGTCCTCAGCCACAGACACTGTCTTTTTTGCT 2520
Qy 2521 GATCCACCCCTCTTACCTTTTATCAGGATGGGCTGTGGTCTCTTCTGTTGCCATCA 2580
Db 2521 GATCCACCCCTCTTACCTTTTATCAGGATGGGCTGTGGTCTCTTCTGTTGCCATCA 2580
Qy 2581 CAGAGACAGGCAATTTAAATTTTAACTTATTTAACTTATTTAACTTATTTAACTTATTT 2640
Db 2581 CAGAGACAGGCAATTTAAATTTTAACTTATTTAACTTATTTAACTTATTTAACTTATTT 2640
Qy 2641 TGCTAGCTTTCTGTTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCAAACATCA 2700
Db 2641 TGCTAGCTTTCTGTTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCAAACATCA 2700
Qy 2701 GGTCCCTCAGATPAGTGTGCTATTGGGCTGATCATTTGCCAGAAATCTTCTCTCTGCGGT 2760
Db 2701 GGTCCCTCAGATPAGTGTGCTATTGGGCTGATCATTTGCCAGAAATCTTCTCTCTGCGGT 2760
Qy 2761 CTGGCCCCCAAAATGCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAA 2820
Db 2761 CTGGCCCCCAAAATGCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAA 2820
Qy 2821 TCCAAATGCTTGTACCAAGGTTAGGGTGTGTAAGGAAGGTAGAGGGTGGGGCTTCAAGGT 2880
Db 2821 TCCAAATGCTTGTACCAAGGTTAGGGTGTGTAAGGAAGGTAGAGGGTGGGGCTTCAAGGT 2880
Qy 2881 CTCAACGGCTTCCCTAACCAACCCCTCTTCTTTGGGCCAGGCTGGTTCCCCCACTTCCA 2940
Db 2881 CTCAACGGCTTCCCTAACCAACCCCTCTTCTTTGGGCCAGGCTGGTTCCCCCACTTCCA 2940
Qy 2941 CTCCCTCTACTCTCTCTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTTCCCTTACC 3000
Db 2941 CTCCCTCTACTCTCTCTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTTCCCTTACC 3000

QY 3361 AAA 3410
 Db 3361 AAA 3410

RESULT 9

US-09-685-166A-110
 ; Sequence 110, Application US/09685166A
 ; Patent No. 6630305
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C21
 ; CURRENT APPLICATION NUMBER: US/09/685,166A
 ; NUMBER OF SEQ ID NOS: 898
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 110
 ; LENGTH: 3410
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-685-166A-110

Query Match 100.0%; Score 3410; DB 4; Length 3410;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGACACAGCTGACGCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGAGATCTGA 60
 Db 1 GGGACACAGCTGACGCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGAGATCTGA 60

QY 61 GTGATGACAGCTGTCCCACTGAGGTGCCCAACAGCAGAGGTGTGAGCATGGGCTGAG 120
 Db 61 GTGATGACAGCTGTCCCACTGAGGTGCCCAACAGCAGAGGTGTGAGCATGGGCTGAG 120

QY 121 AAGCTGGACCGCACCAAGGCTGGCAGAAATGGCGCGCTGGCTATCTAGGAGTT 180
 Db 121 AAGCTGGACCGCACCAAGGCTGGCAGAAATGGCGCGCTGGCTATCTAGGAGTT 180

QY 181 GCGCAGCAGAGGAGGCGCGAGCTTCTGAGCAGAGCGCAGAGCAGAGCTTCTG 240
 Db 181 GCGCAGCAGAGGAGGCGCGAGCTTCTGAGCAGAGCGCAGAGCAGAGCTTCTG 240

QY 241 GAGTGCCTGAACGGCCCCCTGAGCCCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300
 Db 241 GAGTGCCTGAACGGCCCCCTGAGCCCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300

QY 301 GGTGAGCGCTGTGCGGCACCGGAAAGCCAGCTTCTGTGTCAACCTGCTAACCTT 360
 Db 301 GGTGAGCGCTGTGCGGCACCGGAAAGCCAGCTTCTGTGTCAACCTGCTAACCTT 360

QY 361 TGGCCTGAGGAGTGTGTTGGCGCAGGAGCATCACCTATGTGCGCGCTCTGCTGCTGGAAGT 420
 Db 361 TGGCCTGAGGAGTGTGTTGGCGCAGGAGCATCACCTATGTGCGCGCTCTGCTGCTGGAAGT 420

QY 421 GGGGGTAGAGGAGAGTTTCATGACCATGGTGTGGGCATTTGGTCCAGTGTGGGCGCTGGT 480

Db 421 GGGGGTAGAGGAGAGTTTCATGACCATGGTGTGGGCATTTGGTCCAGTGTGGGCGCTGGT 480
 QY 481 CTGTGTCCCGCTCTAGGCTCAGCAGTACACCTGGCGTGGAGCGTATGGCGCGCGCG 540
 Db 481 CTGTGTCCCGCTCTAGGCTCAGCAGTACACCTGGCGTGGAGCGTATGGCGCGCGCG 540
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 Db 541 GCGCTTCATCTGGGCACTGTCTTGGGCATCTCTGAGCCCTTTCTCATCCCAAGGCG 600
 QY 601 GCGTGGCTAGCAGGCTGTCTGCGCCGGATCCAGGCCCTCTGAGCTGGGAGCTCAT 660
 Db 601 GCGTGGCTAGCAGGCTGTCTGCGCCGGATCCAGGCCCTCTGAGCTGGGAGCTCAT 660
 QY 661 CTTGGGCTGGGCTGTCTGAGCTTCTGTGGCAGGTGTCTCACTCCACATGGAGGCGCT 720
 Db 661 CTTGGGCTGGGCTGTCTGAGCTTCTGTGGCAGGTGTCTCACTCCACATGGAGGCGCT 720
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 Db 721 GCTCTCTGACCTTTCCGGGACCCGGGACCTGTGCGCAGGCGCTACTCTGTCTATGCT 780
 QY 781 CATGATCAGTCTTGGGCGCTGCTGCGCTACTCTCTGCTGCGCATTTGATGGGACAC 840
 Db 781 CATGATCAGTCTTGGGCGCTGCTGCGCTACTCTCTGCTGCGCATTTGATGGGACAC 840
 QY 841 TGCCCTGGCCCCCTACCTGGGACCCAGGAGGTGCTCTTTGGCCTGCTCACTCAT 900
 Db 841 TGCCCTGGCCCCCTACCTGGGACCCAGGAGGTGCTCTTTGGCCTGCTCACTCAT 900
 QY 901 CTTCTCACCTGCTAGCAGCACACTGCTGGTGGCTGAGGAGGCGCTGGGCGCCAC 960
 Db 901 CTTCTCACCTGCTAGCAGCACACTGCTGGTGGCTGAGGAGGCGCTGGGCGCCAC 960
 QY 961 CGAGCCAGAGAGGCTGTGCGGCCCTCTTGTGGCCCCACCTGCTGTCATGCGCGG 1020
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 Db 1021 CCGCTTGGCTTTCCGGAACTGGGCGCCCTCTTCCCGGCTGACACAGCTGTGCTGCG 1080
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 Db 1081 CATGCCCGCACCTCTGCGCGGCTCTTCTGCTGGCTGAGCTGTGCGAGTGGACATCAT 1140
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 QY 1201 AGCTGAGCGGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTCCGATGGGCGCT 1260
 Db 1201 AGCTGAGCGGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTCCGATGGGCGCT 1260
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 Db 1261 GGGGCTGTTCTGAGTGGCGCATCTCCCTGCTTCTCTCTCTGCTGATGAGACCGGCTGGT 1320
 QY 1321 GCAGCGATTGGGCACTCGAGCAGTCTATTTGGCCAGTGTGCGAGCTTTCCTGTGGCTGC 1380
 Db 1321 GCAGCGATTGGGCACTCGAGCAGTCTATTTGGCCAGTGTGCGAGCTTTCCTGTGGCTGC 1380
 QY 1381 GGGTGCACATGCTGCTCCACAGTGTGGCGTGGTACAGCTTTCAGCGCGCTCACCGG 1440
 Db 1381 GGGTGCACATGCTGCTCCACAGTGTGGCGTGGTACAGCTTTCAGCGCGCTCACCGG 1440
 QY 1441 GTTCCACCTTCTCAGCCCTGCAAGATCTGCGCTTACACATGCGCTCTCTACACCGGGA 1500
 Db 1441 GTTCCACCTTCTCAGCCCTGCAAGATCTGCGCTTACACATGCGCTCTCTACACCGGGA 1500
 QY 1501 GAACAGGTGTTCTCTGCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGAC 1560

Db 1501 GAAGCAGGCTGTCCTGCCCAATACGAGGGGACACCTGGAGGTGCTAGCAGTGAGGACAG 1560
Qy 1561 CCTGATGACAGCTTCCTGCCAGGCCCTAAAGCCTGGAGCTCCCTTCCCTAATGACACAGT 1620
Db 1561 CCTGATGACAGCTTCCTGCCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACACAGT 1620
Qy 1621 GGGTGTGGAGGAGTGGCTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680
Db 1621 GGGTGTGGAGGAGTGGCTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680
Qy 1681 TGATGTCTCCGTACGTGTGGTGGGTGAGGCCACCGAGGCCAGGGTGGTTCGGGCGG 1740
Db 1681 TGATGTCTCCGTACGTGTGGTGGGTGAGGCCACCGAGGCCAGGGTGGTTCGGGCGG 1740
Qy 1741 GGGCATCTGCCCTGACCTCGGCATCTCGGTAGTGGCTTCTGCTGTCCACAGTGGGCC 1800
Db 1741 GGGCATCTGCCCTGACCTCGGCATCTCGGTAGTGGCTTCTGCTGTCCACAGTGGGCC 1800
Qy 1801 ATCCCTGTTTATGGGCTCCATTGTCAGCTCAGCCAGTCTGTCTACCTGCTATATGGTGTG 1860
Db 1801 ATCCCTGTTTATGGGCTCCATTGTCAGCTCAGCCAGTCTGTCTACCTGCTATATGGTGTG 1860
Qy 1861 TGCCGAGGCTGGGTCTGGTGGCATTTACTTTGCTACACAGTAGTATTTGACAGAG 1920
Db 1861 TGCCGAGGCTGGGTCTGGTGGCATTTACTTTGCTACACAGTAGTATTTGACAGAG 1920
Qy 1921 CGACTTGGCCAAATACCTCAGGTAGAAAATCTCCAGCACATTTGGGGTGGAGGGCTGCCT 1980
Db 1921 CGACTTGGCCAAATACCTCAGGTAGAAAATCTCCAGCACATTTGGGGTGGAGGGCTGCCT 1980
Qy 1981 CACTGGGTCCAGCTCCCGCTCCTGTTAGCCCCATGGGGCTGCCGGGCTGGCCGCGAGT 2040
Db 1981 CACTGGGTCCAGCTCCCGCTCCTGTTAGCCCCATGGGGCTGCCGGGCTGGCCGCGAGT 2040
Qy 2041 TTCTGTGCTGCCAAAGTAATGTGGCTCTGTCTGTGCCACCCCTGTGCTGAGTGGGTA 2100
Db 2041 TTCTGTGCTGCCAAAGTAATGTGGCTCTGTCTGTGCCACCCCTGTGCTGAGTGGGTA 2100
Qy 2101 GCTGCACAGCTGGGGGCTGGGGGCTCCTCTCTCTCCCTCAGTCTAGGGGCTGCTG 2160
Db 2101 GCTGCACAGCTGGGGGCTGGGGGCTCCTCTCTCTCTCCCTCAGTCTAGGGGCTGCTG 2160
Qy 2161 ACTGGAGGCTTCCAAAGGGGTTTCAGTCTGGACTTATACAGGGAGGCCAGAGGGCTCC 2220
Db 2161 ACTGGAGGCTTCCAAAGGGGTTTCAGTCTGGACTTATACAGGGAGGCCAGAGGGCTCC 2220
Qy 2221 ATGCACGTGAATGGGGGACTCTGCAGGTGGAATTAACAGGCTCAGGGTTAACAGCTAGC 2280
Db 2221 ATGCACGTGAATGGGGGACTCTGCAGGTGGAATTAACAGGCTCAGGGTTAACAGCTAGC 2280
Qy 2281 CTCTAGTTCGACACACCTAGAGAGGGTTTTTGGGAGCTGAATAACTCAGTCACTG 2340
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Db 2341 GTTTCCCATCTTAAGGCCCTTAACCTGCAGCTTCGTTTAAATGTAGCTCTTGCATGGGAG 2400
Qy 2401 TTCTTAGGATGAACAATCTCTCCATGGGATTTGAACATATGACTATTTTGTAGGGGAAGA 2460
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Qy 2461 GTCTTAGGGGCAACACAGAACCAAGTCCCTCAGCCACAGCACTGCTTTTTGCT 2520
Db 2461 GTCTTAGGGGCAACACACAGAACCAAGTCCCTCAGCCACAGCACTGCTTTTTGCT 2520
Qy 2521 GATCACCCCTCTTACCTTTTATCAGGATGTGGCTGTGGTCTCTGTTGCCATCA 2580
Db 2521 GATCACCCCTCTTACCTTTTATCAGGATGTGGCTGTGGTCTCTGTTGCCATCA 2580
Qy 2581 CAGAGACACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTAGAAGGGAATCCAT 2640
Db 2581 CAGAGACACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTAGAAGGGAATCCAT 2640

Qy 2641 TGCTAGCTTTTCTGTGTGGTGTCTAATATTTGGGTAGGGTGGGGGATCCCAACAATCA 2700
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Qy 2701 GGTCCCTTGAGATGAGTGGTCAATTTGGGCTGATCATTTGCCAGAATCTTTCTCTCTGGGT 2760
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Qy 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2820
Db 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2820
Qy 2821 TCCAAATGCTGTGTACCAAGTGTAGGCTGTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
Db 2821 TCCAAATGCTGTGTACCAAGTGTAGGCTGTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
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Qy 2941 CTCCCTCTACTCTCTAGGACTGGGCTGATGAAGGCACTGGCCAAAATTTTCCCTTACC 3000
Db 2941 CTCCCTCTACTCTCTAGGACTGGGCTGATGAAGGCACTGGCCAAAATTTTCCCTTACC 3000
Qy 3001 CCCAACTTTCCCTTACCCCAACTTTTCCCCACCAAGCTTCCAAACCTCTGTTTGGAGTACT 3060
Db 3001 CCCAACTTTCCCTTACCCCAACTTTTCCCCACCAAGCTTCCAAACCTCTGTTTGGAGTACT 3060
Qy 3061 GCAGGACCAAGAACCAAAAGTCGGGTTTCCCAAGCCTTTGTCATCTCAGCCCCCAGAGT 3120
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Qy 3181 GAGGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGAATTAATGTCGCTTATTTATT 3240
Db 3181 GAGGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGAATTAATGTCGCTTATTTATT 3240
Qy 3241 TAGCGGGTGAATATTTTATATCTGTAAGTGAGCAATCAGAGTATAATGTTTATGGTGACA 3300
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Qy 3301 AAATTAAGGCTTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Db 3301 AAATTAAGGCTTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Qy 3361 AA 3410
Db 3361 AA 3410

RESULT 10

US-09-115-453-110
; Sequence 110, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; METHODS FOR THEIR USE
; FILE REFERENCE: 21021.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-115-453-110

Query Match		100.0%;	Score 3410;	DB 4;	Length 3410;		
Best Local Similarity		100.0%;	Pred. No. 0;				
Matches 3410;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;		
Qy	1	GGGAACCAAGCTGCAAGCGCTGGCTCGGGGTGACAGCGCGCGCTCGGGCAGAGATCTGA	60				
Db	1	GGGAACCAAGCTGCAAGCGCTGGCTCGGGGTGACAGCGCGCGCTCGGGCAGAGATCTGA	60				
Qy	61	GTGATGAGACGTGCTCCCACTGAGTGGCCACACAGCAGCAGGTGTGAGCATGGGCTGAG	120				
Db	61	GTGATGAGACGTGCTCCCACTGAGTGGCCACACAGCAGCAGGTGTGAGCATGGGCTGAG	120				
Qy	121	AACTGGAGCCGACCAAAAGGCTGGCAGAAATGGCGCGCTGGCTGATTCCTAGGACGTT	180				
Db	121	AACTGGAGCCGACCAAAAGGCTGGCAGAAATGGCGCGCTGGCTGATTCCTAGGACGTT	180				
Qy	181	GGCGGAGCAAGGAGAGGCGCGCAGCTTCTGGAGCAGAGCCGAGACGAAGCAGTTCTG	240				
Db	181	GGCGGAGCAAGGAGAGGCGCGCAGCTTCTGGAGCAGAGCCGAGACGAAGCAGTTCTG	240				
Qy	241	GAGTCCCTGAAAGGCGCCCTGAGCCCTACCCGCGCTGGCCCACTATGGTCCAGAGGCTGTG	300				
Db	241	GAGTCCCTGAAAGGCGCCCTGAGCCCTACCCGCGCTGGCCCACTATGGTCCAGAGGCTGTG	300				
Qy	301	GGTGAAGCGGCTGCTGGCGCACCGGAAAGCCAGCTCTTGTGGTCAACCTGCTAACCTT	360				
Db	301	GGTGAAGCGGCTGCTGGCGCACCGGAAAGCCAGCTCTTGTGGTCAACCTGCTAACCTT	360				
Qy	361	TGGCTGAGAGGTGTTTGGCGCAGGACATCACTATGTGCGCCTCTGCTGCTGGAAGT	420				
Db	361	TGGCTGAGAGGTGTTTGGCGCAGGACATCACTATGTGCGCCTCTGCTGCTGGAAGT	420				
Qy	421	GGGGGTAGAGAGAGTTTATGACCATGGTGTGGGCATTTGGTCCAGTGTGGGCTGGT	480				
Db	421	GGGGGTAGAGAGAGTTTATGACCATGGTGTGGGCATTTGGTCCAGTGTGGGCTGGT	480				
Qy	481	CTGTGTCGCGCTCCTAGGCTCAGCCAGTGACCATGGCGGTGGACCTATGGCCGCGCGG	540				
Db	481	CTGTGTCGCGCTCCTAGGCTCAGCCAGTGACCATGGCGGTGGACCTATGGCCGCGCGG	540				
Qy	541	GCCCTTCATCTGGGCACTGCTCTGGGCAATCTGTGAGACCTCTTTCTCATCCCAAGGCG	600				
Db	541	GCCCTTCATCTGGGCACTGCTCTGGGCAATCTGTGAGACCTCTTTCTCATCCCAAGGCG	600				
Qy	601	CGGCTGGCTAGCAGGCTGCTGCGCCGGAATCCAGGCGCCCTGGAGCTGGCACTGCTCAT	660				
Db	601	CGGCTGGCTAGCAGGCTGCTGCGCCGGAATCCAGGCGCCCTGGAGCTGGCACTGCTCAT	660				
Qy	661	CCTGGGCTGGGCTGCTGGACTTCTGTGGCAGGTGTGCTTCACTCCACTGGAGGCGCT	720				
Db	661	CCTGGGCTGGGCTGCTGGACTTCTGTGGCAGGTGTGCTTCACTCCACTGGAGGCGCT	720				
Qy	721	GCTCTGACCTCTTCCGGGACCCGGAACAATGTCGCAAGGCTTACTGTGCTATGCGCTT	780				
Db	721	GCTCTGACCTCTTCCGGGACCCGGAACAATGTCGCAAGGCTTACTGTGCTATGCGCTT	780				
Qy	781	CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCTGCTGCTGCTGCTGCTGCT	840				
Db	781	CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCTGCTGCTGCTGCTGCTGCT	840				
Qy	841	TGCGCTGGCGGCTTACCTGGGACCCAGGAGGAGTGGCTCTTGGGCTGCTCAACCTCAT	900				
Db	841	TGCGCTGGCGGCTTACCTGGGACCCAGGAGGAGTGGCTCTTGGGCTGCTCAACCTCAT	900				
Qy	901	CTTCTCCTACCTGCTGAGCAGCAACAATGTCGCAAGGCTGAGGAGGCGCTGGGCGCCAC	960				
Db	901	CTTCTCCTACCTGCTGAGCAGCAACAATGTCGCAAGGCTGAGGAGGCGCTGGGCGCCAC	960				
Qy	961	CGAGCCAGCAGAGGCTGTGGGCGGCTCTTGTGCGCCCACTGCTGCTCAATGCGGCG	1020				
Db	961	CGAGCCAGCAGAGGCTGTGGGCGGCTCTTGTGCGCCCACTGCTGCTCAATGCGGCG	1020				

Db ||||| 481 CTGTCTCCGCTCTTAGGCTCAGCCAGTGAACACTGGGCTGAGCACTATGGCCGCGCG 540
Qy GGCCTTCATCTGGGCACTGTCTCTGGGATCTCTGGGATCTCTTCTTCATCTCCCAAGGC 600
Db GGCCTTCATCTGGGCACTGTCTCTGGGATCTCTGGGATCTCTTCTTCATCTCCCAAGGC 600
Qy CGGCTGGCTAGCAGGCTGTGTGTCCCGATCCCAAGGCCCTTGGAGCTTGGCACTGCTCAT 660
Db CGGCTGGCTAGCAGGCTGTGTGTCCCGATCCCAAGGCCCTTGGAGCTTGGCACTGCTCAT 660
Qy CCTGGGCTGGGCTGTGTGGATCTGTGGCCAGGTGTCTTCACTGAGGCGCT 720
Db CCTGGGCTGGGCTGTGTGGATCTGTGGCCAGGTGTCTTCACTGAGGCGCT 720
Qy GCTCTCTGACCTTCTCCGGACCCGGACCACTGTCCGAGGCTTACTCTGTATGGCTT 780
Db GCTCTCTGACCTTCTCCGGACCCGGACCACTGTCCGAGGCTTACTCTGTATGGCTT 780
Qy CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCTGCCATTGACTGGGACACCAG 840
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Qy TGCCCTGGCCCTTACTCTGGGACCCAGAGAGTGCCTCTTTGGCTGTCACTCAT 900
Db TGCCCTGGCCCTTACTCTGGGACCCAGAGAGTGCCTCTTTGGCTGTCACTCAT 900
Qy CTTCTCTGACCTGTAGCAGCCACACTGTGTGGCTGAGAGGCGCTGGGCCCCAC 960
Db CTTCTCTGACCTGTAGCAGCCACACTGTGTGGCTGAGAGGCGCTGGGCCCCAC 960
Qy CGAGCCAGCAGAAGGCTGTGGCCCTCTCTTGTGGCCCACTGCTGTCACTGCGGGC 1020
Db CGAGCCAGCAGAAGGCTGTGGCCCTCTCTTGTGGCCCACTGCTGTCACTGCGGGC 1020
Qy CGGCTTGGCTTTCGGAACCTGGGCGCTGTCTTCCCGGCTGACAGCTGTGTGCGG 1080
Db CGGCTTGGCTTTCGGAACCTGGGCGCTGTCTTCCCGGCTGACAGCTGTGTGCGG 1080
Qy CATGCCCGCACCTTGGCGGCTCTGTGGCTGAGCTGTGAGCTGGATGGCACTCAT 1140
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Qy GACCTTCAGCTGTTTACCGATTTCTGGGCGAGGGCTGTACACAGGCGTGGCCAG 1200
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Qy AGCTAGCCGGGACCGAGGCCCGGAGACACTATGATGAAGCGTTGCGATGGGAGCCT 1260
Db AGCTAGCCGGGACCGAGGCCCGGAGACACTATGATGAAGCGTTGCGATGGGAGCCT 1260
Qy GGGGCTGTCTGACAGTGGCCATCTCCCTGGTCTTCTCTGGTCAATGGACGGCTGGT 1320
Db GGGGCTGTCTGACAGTGGCCATCTCCCTGGTCTTCTCTGGTCAATGGACGGCTGGT 1320
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Db GCAGCGATTGCGCACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGC 1380
Qy CGGTGCCATGCTGTGCCAGTGTGGCGTGTGTGACAGCTTTCAGCGCGCCCTCACCGG 1440
Db CGGTGCCATGCTGTGCCAGTGTGGCGTGTGTGACAGCTTTCAGCGCGCCCTCACCGG 1440
Qy GTTACCTTCTCAGCCCTGCAATCTGCTTACACACTGGGCTCCCTTCTACCCCGGGA 1500
Db GTTACCTTCTCAGCCCTGCAATCTGCTTACACACTGGGCTCCCTTCTACCCCGGGA 1500
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Db GAAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGAGAGTGTAGCAGTGAAGGACAG 1560
Qy CCTGATGACAGCTTCTGCGCAGGCCCTAAGCTGGAGCTCCCTTCCCTTAATGGACAGT 1620
Db CCTGATGACAGCTTCTGCGCAGGCCCTAAGCTGGAGCTCCCTTCCCTTAATGGACAGT

Db 1561 CCTGATGACAGCTTCTGCGCAGGCCCTTAAGCTGGAGCTCCCTTCCCTTAATGGACAGT 1620
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Db GGGTGTCTGGAGCAGTGGCTGTCTCCACCTCCACCGCGCTCTGTGGGGGCTCTGTGCTG 1680
Qy TGATGTCTCCCTACGTGTGTGGTGAAGCCCAACCGAGGCCAGGTGTGGGGCGG 1740
Db TGATGTCTCCCTACGTGTGTGGTGAAGCCCAACCGAGGCCAGGTGTGGGGCGG 1740
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Db ATCCCTGTTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTCTCACTGCTATATGGTGTG 1860
Qy TGCCGAGGCTGGGTCTGTGCGCACTTACTTTGCTACACAGGTAGTATTTGACAAGAG 1920
Db TGCCGAGGCTGGGTCTGTGCGCACTTACTTTGCTACACAGGTAGTATTTGACAAGAG 1920
Qy CGACTTGGCCAAATACTCAGCGTAGAAAACCTTCAGGACACTTGGGGTGGAGGGCTGCT 1980
Db CGACTTGGCCAAATACTCAGCGTAGAAAACCTTCAGGACACTTGGGGTGGAGGGCTGCT 1980
Qy CACTGGGTCCAGCTCCCGCTCTGTAGCCCATGGGGCTGCGGGCTGGCGCCAGT 2040
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Qy TTTCTGTGCTGCGCAAAAGTGTGGCTCTCTGTGCTGCGCACTGCTGCTGCTGCTGCTA 2100
Db TTTCTGTGCTGCGCAAAAGTGTGGCTCTCTGTGCTGCGCACTGCTGCTGCTGCTGCTA 2100
Qy GCTGCAAGCTGGGGCTGGGGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160
Db GCTGCAAGCTGGGGCTGGGGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160
Qy ACTGAGGCTTCCAGGGGCTTTCAGTCTGGAATTATACAGGGAGGCCAGAGGGCTCC 2220
Db ACTGAGGCTTCCAGGGGCTTTCAGTCTGGAATTATACAGGGAGGCCAGAGGGCTCC 2220
Qy ATGCACTGGAATCGGGGACTCTCAGGTGATTTACCGAGGCTCAGGGTTAACAGCTAGC 2280
Db ATGCACTGGAATCGGGGACTCTCAGGTGATTTACCGAGGCTCAGGGTTAACAGCTAGC 2280
Qy CTCTAGTTGAGACACACTCTCCATGGGATTTGGGAGCTGAATAACTCAGTCACTCTG 2340
Db CTCTAGTTGAGACACACTCTCCATGGGATTTGGGAGCTGAATAACTCAGTCACTCTG 2340
Qy GTTTCCTCATCTTAAGCCCTTAACTGCACTTTCGTTTAAATGATAGTCTTTGCAATGGAG 2400
Db GTTTCCTCATCTTAAGCCCTTAACTGCACTTTCGTTTAAATGATAGTCTTTGCAATGGAG 2400
Qy TTTCTAGATGAACAACACTCTCCATGGGATTTGGAACATATGACTTATTTGAGGGGAAGA 2460
Db TTTCTAGATGAACAACACTCTCCATGGGATTTGGAACATATGACTTATTTGAGGGGAAGA 2460
Qy GTCTGAGGGGACACACAGAACCGGCTCAGCCACAGCACTGCTTTTCTGCT 2520
Db GTCTGAGGGGACACACAGAACCGGCTCAGCCACAGCACTGCTTTTCTGCT 2520
Qy GATCCACCCCTCTTACCTTTTATCAGGATGTGGCTGTTGGTCTTCTGTTGCAATCA 2580
Db GATCCACCCCTCTTACCTTTTATCAGGATGTGGCTGTTGGTCTTCTGTTGCAATCA 2580
Qy CAGAGACAGGCAATTAATAATTTAACTTATTTTAACTTATTTTAACTTATTTTAACTTAT 2640
Db CAGAGACAGGCAATTAATAATTTAACTTATTTTAACTTATTTTAACTTATTTTAACTTAT 2640
Qy TGCTAGCTTTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 2700
Db TGCTAGCTTTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 2700

QY 2701 GGTCCCTGAGATAGCTGGTCAATGGGCTGATCATTCGAGAAATCTTCTTCTCTGGGGT 2760
Db 2701 GGTCCCTGAGATAGCTGGTCAATGGGCTGATCATTCGAGAAATCTTCTTCTCTGGGGT 2760
QY 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATCTTACTCATCCCAATGATAAT 2820
Db 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATCTTACTCATCCCAATGATAAT 2820
QY 2821 TCCAAATCTGTATCCCAAGGTAGGGTGTGAAGGAAGGTAGAGGTGGGGCTTCAGGT 2880
Db 2821 TCCAAATGCTGTATCCCAAGGTAGGGTGTGAAGGAAGGTAGAGGTGGGGCTTCAGGT 2880
QY 2881 CTCAAGGGCTTCCCTAACCAACCCCTTCTTCTTGGCCAGCCTGGTTCGCCCACTTCCA 2940
Db 2881 CTCAAGGGCTTCCCTAACCAACCCCTTCTTCTTGGCCAGCCTGGTTCGCCCACTTCCA 2940
QY 2941 CTCCCTCTACTCTCTAGACTGGGCTGATGAAGGCACCTGCCCAAAATTCCTCCCTACC 3000
Db 2941 CTCCCTCTACTCTCTAGACTGGGCTGATGAAGGCACCTGCCCAAAATTCCTCCCTACC 3000
QY 3001 CCCAACTTCCCTTACCCCAACTTTCCTCCACAGCTCCCAACCCCTGTTGGAGCTACT 3060
Db 3001 CCCAACTTCCCTTACCCCAACTTTCCTCCACAGCTCCCAACCCCTGTTGGAGCTACT 3060
QY 3061 GCAGGACCAAGACCAAAAGTGGGTTTCCCAAGCCTTTGTCCATCTCAGGCCCCAGAGT 3120
Db 3061 GCAGGACCAAGACCAAAAGTGGGTTTCCCAAGCCTTTGTCCATCTCAGGCCCCAGAGT 3120
QY 3121 ATATCTGTGCTGGGAAATCTCACACAGAACTCAGAGGACACCCCTGCCTGAGCTAAG 3180
Db 3121 ATATCTGTGCTGGGAAATCTCACACAGAACTCAGAGGACACCCCTGCCTGAGCTAAG 3180
QY 3181 GAGTCTTATCTCTCAGGGGGGTTAAGTCCCGTTTGCATAATGTCGCTTATTATT 3240
Db 3181 GAGTCTTATCTCTCAGGGGGGTTAAGTCCCGTTTGCATAATGTCGCTTATTATT 3240
QY 3241 TAGCGGGTGAATATTTTATCTGTAAGTGAGCAATCAGAGTATAATGTTATGCTGACA 3300
Db 3241 TAGCGGGTGAATATTTTATCTGTAAGTGAGCAATCAGAGTATAATGTTATGCTGACA 3300
QY 3301 AAATTAAGGCTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
Db 3301 AAATTAAGGCTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
QY 3361 AAA 3410
Db 3361 AAA 3410

RESULT 12

US-09-679-426-110
; Sequence 110, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yashir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-110

Query Match 100.0%; Score 3410; DB 4; Length 3410;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGNACAGCTGCACGGCTCGGCTCGGGTGACAGCGCGCGCTCGGCAGAGATCTGA 60
Db 1 GGGNACAGCTGCACGGCTCGGCTCGGGTGACAGCGCGCGCTCGGCAGAGATCTGA 60
QY 61 GTGATGAGAGCTGTCCCACTGAGGTGCCCCACAGCAGCAGGTGTTGAGCATGGCTGAG 120
Db 61 GTGATGAGAGCTGTCCCACTGAGGTGCCCCACAGCAGCAGGTGTTGAGCATGGCTGAG 120
QY 121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGGCGCCTGGCTGATTCTTAGGCAGTT 180
Db 121 AAGCTGGACCGGCACCAAGGGCTGGCAGAAATGGGCGCCTGGCTGATTCTTAGGCAGTT 180
QY 181 GCGGAGCAAGAGGAGAGGCGCAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGTTCTG 240
Db 181 GCGGAGCAAGAGGAGAGGCGCAGCTTCTGGAGCAGAGCCGAGAGCAAGCAGTTCTG 240
QY 241 GAGTGCCTGAACCGCCCTGAGCCCTACCGCTGCGCCCTGATGTCCAGAGGCTGTG 300
Db 241 GAGTGCCTGAACCGCCCTGAGCCCTACCGCTGCGCCCTGATGTCCAGAGGCTGTG 300
QY 301 GGTGAGCGGCTCTGCTCGGCACCGGAAAGCCAGCTTCTGCTGCTCAACCTGTAACTT 360
Db 301 GGTGAGCGGCTCTGCTCGGCACCGGAAAGCCAGCTTCTGCTGCTCAACCTGTAACTT 360
QY 361 TGGCTGGAGGTGTTTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGT 420
Db 361 TGGCTGGAGGTGTTTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGT 420
QY 421 GGGGTAGAGGAGAGTTCATGACCATGCTGGGCATTTGGTCCAGTGTGGGCTGGT 480
Db 421 GGGGTAGAGGAGAGTTCATGACCATGCTGGGCATTTGGTCCAGTGTGGGCTGGT 480
QY 481 CTGTGTCCCGCTCTTAGGCTCAGCCAGTGACCACTGGCGTGGAGCTATGGCCGCCGCG 540
Db 481 CTGTGTCCCGCTCTTAGGCTCAGCCAGTGACCACTGGCGTGGAGCTATGGCCGCCGCG 540
QY 541 GCCCTTCATCTGGGCACTGCTTGGGCACTCTGCTGAGGCTCTTCTCATCCCAAGGGC 600
Db 541 GCCCTTCATCTGGGCACTGCTTGGGCACTCTGCTGAGGCTCTTCTCATCCCAAGGGC 600
QY 601 CGGCTGGCTAGCAGGGCTGCTGCGCGGATCCAGGCCCTCGAGCTGGCAGCTGCTCAT 660
Db 601 CGGCTGGCTAGCAGGGCTGCTGCGCGGATCCAGGCCCTCGAGCTGGCAGCTGCTCAT 660
QY 661 CTTGGGCGTGGGCTGCTGGACTTCTGTGGCCAGGTGCTTCACTCCATCGAGGGCCT 720
Db 661 CTTGGGCGTGGGCTGCTGGACTTCTGTGGCCAGGTGCTTCACTCCATCGAGGGCCT 720
QY 721 GCTCTGTGACCTTTCGGGACCCGAGCACTGTGCGCAGGCTTACTCTGTATGCTT 780
Db 721 GCTCTGTGACCTTTCGGGACCCGAGCACTGTGCGCAGGCTTACTCTGTATGCTT 780
QY 781 CATGATCAGTCTTGGGGGCTGCTGGCTACCTCCCTGCCCTGCCATTTGACCTGGGACAC 840
Db 781 CATGATCAGTCTTGGGGGCTGCTGGCTACCTCCCTGCCCTGCCATTTGACCTGGGACAC 840
QY 841 TGCCCTGGCCCCCTACCTGGGCACCCAGGAGGAGTGCCTCTTTGGGCTGCTCACCCTCAT 900

Db 841 |||||TGCCCCCTTACCTGGGACACGAGAGAGTGCCTTTTGGCCCTGCTCACCCCTCAT 900
Qy 901 CTTTCTCACCCTGCTAGCAGCCACACTGCTGTGTGCTGAGAGGAGCGCTGGGCCCCAC 960
Db 901 |||||CTTCTCACCCTGCTAGCAGCCACACTGCTGTGTGCTGAGAGGAGCGCTGGGCCCCAC 960
Qy 961 CGAGCCAGCAGAAAGGGCTGTGGCCCCCTCTTGTGTGCCCCCACTGCTGTCCATGCGGGC 1020
Db 961 CGAGCCAGCAGAAAGGGCTGTGGCCCCCTCTTGTGTGCCCCCACTGCTGTCCATGCGGGC 1020
Qy 1021 CGGCTTGGCTTCCGGAACCTGGGCGCCCTGCTTCCCGGCTGCAACAGCTGTGTGCGG 1080
Db 1021 CGGCTTGGCTTCCGGAACCTGGGCGCCCTGCTTCCCGGCTGCAACAGCTGTGTGCGG 1080
Qy 1081 CATGCCCGCACCTGCGCGGCTCTTGTGTGCTGAGCTGTGCACTGATGGCACTCAT 1140
Db 1081 CATGCCCGCACCTGCGCGGCTCTTGTGTGCTGAGCTGTGCACTGATGGCACTCAT 1140
Qy 1141 GACCTTCAAGCTGTTTACAGGATTTTGTGGGCGAGGGGCTGTACCAAGGGCGTCCCGAG 1200
Db 1141 GACCTTCAAGCTGTTTACAGGATTTTGTGGGCGAGGGGCTGTACCAAGGGCGTCCCGAG 1200
Qy 1201 AGCTAGCGGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTCGGATGGGAGCCT 1260
Db 1201 AGCTAGCGGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTCGGATGGGAGCCT 1260
Qy 1261 GGGGCTGTTTCTGAGTGGCCATCTCCTGTGTCTCTGTGTGCTATGGAACCGGCTGCT 1320
Db 1261 GGGGCTGTTTCTGAGTGGCCATCTCCTGTGTCTCTGTGTGCTATGGAACCGGCTGCT 1320
Qy 1321 GCAGCGATTGCGCACTCGAGCAGTCTATTTGGGCCAGTGTGGCAGCTTTCCTCTGGGCTGC 1380
Db 1321 GCAGCGATTGCGCACTCGAGCAGTCTATTTGGGCCAGTGTGGCAGCTTTCCTCTGGGCTGC 1380
Qy 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGTGTGTGACAGCTTCAGCGGCCCTCACCGG 1440
Db 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGTGTGTGACAGCTTCAGCGGCCCTCACCGG 1440
Qy 1441 GTTCACTTCTCAGCCCTGAGATCCTGCCCTACACACTGGCCCTCCTACCAACCGGA 1500
Db 1441 GTTCACTTCTCAGCCCTGAGATCCTGCCCTACACACTGGCCCTCCTACCAACCGGA 1500
Qy 1501 GAAGCAGGTGTTCTGCGCCAAATACCGAGGGGACACTGGAGGTGTACGAGTGAAGACAG 1560
Db 1501 GAAGCAGGTGTTCTGCGCCAAATACCGAGGGGACACTGGAGGTGTACGAGTGAAGACAG 1560
Qy 1561 CCTGATGACCAAGCTTCTGCCAGGCCCTAAGCTGGAGCTCCCTTCCCTTAATGACACGT 1620
Db 1561 CCTGATGACCAAGCTTCTGCCAGGCCCTAAGCTGGAGCTCCCTTCCCTTAATGACACGT 1620
Qy 1621 GGGTCTGGAGCAGTGGCTGTCCACCTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680
Db 1621 GGGTCTGGAGCAGTGGCTGTCCACCTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680
Qy 1681 TGAATGTCCTGTCAGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGCGGGCG 1740
Db 1681 TGAATGTCCTGTCAGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGCGGGCG 1740
Qy 1741 GGGCATCTGCTGACCTGCGCATCTCGGATAGTGCCTTCTGCTGCCAGGTGGGCC 1800
Db 1741 GGGCATCTGCTGACCTGCGCATCTCGGATAGTGCCTTCTGCTGCCAGGTGGGCC 1800
Qy 1801 ATCCCTGTTTATGGGCTCATTTGCTCAGCCAGTCTGTCTGCTGCTATATGGTGTG 1860
Db 1801 ATCCCTGTTTATGGGCTCATTTGCTCAGCCAGTCTGTCTGCTGCTATATGGTGTG 1860
Qy 1861 TGCCGACGGCCTGGGTCTGGTGGCCATTTACTTTGCTACAGAGTAGTATTTGACAAGAG 1920
Db 1861 TGCCGACGGCCTGGGTCTGGTGGCCATTTACTTTGCTACAGAGTAGTATTTGACAAGAG 1920
Qy 1921 CGACTTGGCCAAATACTCAGGTAGAAAATCTCCAGCACATTTGGGGTGGAGGGCTGCT 1980

Db 1921 CGACTTGGCCAAATACTCAGGTAGAAAATCTCCAGCACATTTGGGGTGGAGGGCTGCT 1980
Qy 1981 CACTGGGTCCAGCTCCCGCTCCTGTTAGCCCATAGGGGCTGCCGGCTGGCCGCCAGT 2040
Db 1981 CACTGGGTCCAGCTCCCGCTCCTGTTAGCCCATAGGGGCTGCCGGCTGGCCGCCAGT 2040
Qy 2041 TTTCTGTGCTGCCAAAAGTAAATGTGCTCTGTGTGCCACCTGTGCTCTGAGGTGCGTA 2100
Db 2041 TTTCTGTGCTGCCAAAAGTAAATGTGCTCTGTGTGCCACCTGTGCTCTGAGGTGCGTA 2100
Qy 2101 GCTGCACAGCTGGGGGCTGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160
Db 2101 GCTGCACAGCTGGGGGCTGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160
Qy 2161 ACTGAGGCGCTTCCAAAGGGGCTTTCAGTCTGCACTTATACAGGAGGAGGAGGAGGCTCC 2220
Db 2161 ACTGAGGCGCTTCCAAAGGGGCTTTCAGTCTGCACTTATACAGGAGGAGGAGGAGGCTCC 2220
Qy 2221 ATGCACTGGAATCGGGGACTCTCAGGTGGAATACCCAGGCTCAGGGTTAAACAGCTAGC 2280
Db 2221 ATGCACTGGAATCGGGGACTCTCAGGTGGAATACCCAGGCTCAGGGTTAAACAGCTAGC 2280
Qy 2281 CTCTAGTTGAGACACACCTAGAGAGGGTTTTTGGGAGCTGAATAAATCAGTCACTCTG 2340
Db 2281 CTCTAGTTGAGACACACCTAGAGAGGGTTTTTGGGAGCTGAATAAATCAGTCACTCTG 2340
Qy 2341 GTTTCCCATCTTAAGCCCTTAACTCGACGCTTCTGTTAATGTAGCTCTTGTGATGGGAG 2400
Db 2341 GTTTCCCATCTTAAGCCCTTAACTCGACGCTTCTGTTAATGTAGCTCTTGTGATGGGAG 2400
Qy 2401 TTTCTAGGATGAACAACCTCTCCATGGGATTTGAACATATGACTTATTTGTAGGGGAAGA 2460
Db 2401 TTTCTAGGATGAACAACCTCTCCATGGGATTTGAACATATGACTTATTTGTAGGGGAAGA 2460
Qy 2461 GTCTGAGGGGCAACACCAAGAACCAAGGTCCTCAGCCCCACAGCACTGCTTTTGTCT 2520
Db 2461 GTCTGAGGGGCAACACCAAGAACCAAGGTCCTCAGCCCCACAGCACTGCTTTTGTCT 2520
Qy 2521 GATCACCCCCCTCTTACCTTTTATCAGGATGTGGCTGTGCTTCTCTGTGTCATCA 2580
Db 2521 GATCACCCCCCTCTTACCTTTTATCAGGATGTGGCTGTGCTTCTCTGTGTCATCA 2580
Qy 2581 CAGAGACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTGAAGGGGAATCCAT 2640
Db 2581 CAGAGACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTGAAGGGGAATCCAT 2640
Qy 2641 TGCTAGCTTTCTGTGTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCCAACAATCA 2700
Db 2641 TGCTAGCTTTCTGTGTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCCAACAATCA 2700
Qy 2701 GGTCCCCCTGAGATAGCTGGTCAATTTGGGCTGATCATTTGCAGAACTCTTCTCTCTGGGGT 2760
Db 2701 GGTCCCCCTGAGATAGCTGGTCAATTTGGGCTGATCATTTGCAGAACTCTTCTCTCTGGGGT 2760
Qy 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTTACTCATCTCCCAAAATGATAAT 2820
Db 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTTACTCATCTCCCAAAATGATAAT 2820
Qy 2821 TCCAAATGCTGTATACCCAAAGGTTAGGGTGTGAAGGAGGTAGAGGGTGGGGCTCAGGT 2880
Db 2821 TCCAAATGCTGTATACCCAAAGGTTAGGGTGTGAAGGAGGTAGAGGGTGGGGCTCAGGT 2880
Qy 2881 CTCAAAGGCTTCCCTAAACCCCTCTTCTCTTGGCCAGCTGCTGTTCCCGCCCACTTCCA 2940
Db 2881 CTCAAAGGCTTCCCTAAACCCCTCTTCTCTTGGCCAGCTGCTGTTCCCGCCCACTTCCA 2940
Qy 2941 CTCCCTCTACTCTCTCTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
Db 2941 CTCCCTCTACTCTCTCTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
Qy 3001 CCCAACTTTCCCTTACCCTTCCCAACAGCTTTCCCAACAGCTTCCCAACAGCTTACT 3060
Db 3001 CCCAACTTTCCCTTACCCTTCCCAACAGCTTTCCCAACAGCTTCCCAACAGCTTACT 3060

Qy 3061 GCAGACAGAGCAAAAGTGGGTTCCCAAGCCTTTGTCCATCTCAGCCCCCAGAGT 3120
Db 3061 GCAGACAGAGCAAAAGTGGGTTCCCAAGCCTTTGTCCATCTCAGCCCCCAGAGT 3120
Qy 3121 ATATCTGTGCTGGGAATCTCACACAGAACTCAGAGCAGCCCTGCCCTGAGCTAAGG 3180
Db 3121 ATATCTGTGCTGGGAATCTCACACAGAACTCAGAGCAGCCCTGCCCTGAGCTAAGG 3180
Qy 3181 GAGGTCTTATCTCTCAGGGGGGTTAAGTGCCTTTGCAATAATGTCTCTTATTATT 3240
Db 3181 GAGGTCTTATCTCTCAGGGGGGTTAAGTGCCTTTGCAATAATGTCTCTTATTATT 3240
Qy 3241 TAGCGGGTGAATATTTTATATCTGTAACTGAGCAATCAGAGTATAATGTTTATGTGACA 3300
Db 3241 TAGCGGGTGAATATTTTATATCTGTAACTGAGCAATCAGAGTATAATGTTTATGTGACA 3300
Qy 3301 AAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Db 3301 AAATTAAGGCTTCTTATATGTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3360
Qy 3361 AA 3410
Db 3361 AA 3410

RESULT 13

US-09-759-143-110
; Sequence 110, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121-427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien

Query Match 100.0%; Score 3410; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGAACACAGCTGCACGCGCTGGTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA 60
Db 1 GGAACACAGCTGCACGCGCTGGTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA 60
Qy 61 GTGATGAGAGTGTCCTCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGGCTGAG 120
Db 61 GTGATGAGAGTGTCCTCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGGCTGAG 120

Qy 121 AAGCTGGAACCGGCAACAAAGGCTGGCAGAAATGGCGCCCTGGCTGATTCCTAGCAGTT 180
Db 121 AAGCTGGAACCGGCAACAAAGGCTGGCAGAAATGGCGCCCTGGCTGATTCCTAGCAGTT 180
Qy 181 GCGGCAAGCAAGGAGAGGCGCAGCTTCTGAGCAGAGCCGAGCAAGCAGTCTTG 240
Db 181 GCGGCAAGCAAGGAGAGGCGCAGCTTCTGAGCAGAGCCGAGCAAGCAGTCTTG 240
Qy 241 GAGTGCCTGAACGCGCCCTGAGCCCTACCGCCTGCGCCACTATGTTCCAGAGGCTGTG 300
Db 241 GAGTGCCTGAACGCGCCCTGAGCCCTACCGCCTGCGCCACTATGTTCCAGAGGCTGTG 300
Qy 301 GGTGAGCCGCTGCTGCGGCAACGGAAGCCAGCTTCTGCTGTCAACCTGCTAACTT 360
Db 301 GGTGAGCCGCTGCTGCGGCAACGGAAGCCAGCTTCTGCTGTCAACCTGCTAACTT 360
Qy 361 TGGCTGAGAGGTGTTTGGCGGAGGCATCACCTATGTGCGGCTCTGCTGTGGAAGT 420
Db 361 TGGCTGAGAGGTGTTTGGCGGAGGCATCACCTATGTGCGGCTCTGCTGTGGAAGT 420
Qy 421 GGGGTAGAGGAGAGTTTATGACCATGCTGGGCAATGTTCCAGTGTGGGCTTGGT 480
Db 421 GGGGTAGAGGAGAGTTTATGACCATGCTGGGCAATGTTCCAGTGTGGGCTTGGT 480
Qy 481 CTGTGTCGCGCTCTCTAGGCTCAGCCAGTGACCATGCGCTGAGCGCTATGCGCCGCG 540
Db 481 CTGTGTCGCGCTCTCTAGGCTCAGCCAGTGACCATGCGCTGAGCGCTATGCGCCGCG 540
Qy 541 GCCCTTCATCTGGGCACTGCTTGGGCACTCTGCTGAGGCTCTTTCTCATCCCAAGGC 600
Db 541 GCCCTTCATCTGGGCACTGCTTGGGCACTCTGCTGAGGCTCTTTCTCATCCCAAGGC 600
Qy 601 CGCTGCTAGCAGGCTGCTGCGCGGATCCAGGCCCTGGAGCTGCGACCTGCTCAT 660
Db 601 CGCTGCTAGCAGGCTGCTGCGCGGATCCAGGCCCTGGAGCTGCGACCTGCTCAT 660
Qy 661 CTTGGGCGTGGGCTGCTGAGCTTCTGTGCGCAGGTGCTTCACTCAGCTGAGGCGCT 720
Db 661 CTTGGGCGTGGGCTGCTGAGCTTCTGTGCGCAGGTGCTTCACTCAGCTGAGGCGCT 720
Qy 721 GCTCTGTGACCTCTTCCGGGACCCGACCACTGCTGCGCAGGCTTACTCTGTATGCTT 780
Db 721 GCTCTGTGACCTCTTCCGGGACCCGACCACTGCTGCGCAGGCTTACTCTGTATGCTT 780
Qy 781 CATGATCAGTCTTGGGCGCTGCGCTGCGCTTACCTCTGCGCTGCGCTTACCTGCGG 840
Db 781 CATGATCAGTCTTGGGCGCTGCGCTGCGCTTACCTCTGCGCTGCGCTTACCTGCGG 840
Qy 841 TGCCCTGGGCGCTTACCTGCGGCAACCCAGGAGAGTGCCTCTTTGGCCTGCTCAGCTCAT 900
Db 841 TGCCCTGGGCGCTTACCTGCGGCAACCCAGGAGAGTGCCTCTTTGGCCTGCTCAGCTCAT 900
Qy 901 CTTCTCAGCTGCTGAGCAGCACTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAG 960
Db 901 CTTCTCAGCTGCTGAGCAGCACTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAG 960
Qy 961 CGAGCCAGCAGAGGAGGCTGCGGCGCCCTGCTGCTGCGCCCACTGCTGCTCAGCTGCG 1020
Db 961 CGAGCCAGCAGAGGAGGCTGCGGCGCCCTGCTGCTGCGCCCACTGCTGCTCAGCTGCG 1020
Qy 1021 CCGCTTGGGCTTCCGGAACCTGCGGCGCCCTGCTGCTTCCCGGCTGACAGCTGCTGCG 1080
Db 1021 CCGCTTGGGCTTCCGGAACCTGCGGCGCCCTGCTGCTTCCCGGCTGACAGCTGCTGCG 1080
Qy 1081 CATGCCCGCACCTCGCGCGCTTCTGCTGCTGAGCTGTGAGCTGTGAGTGTGAGTGTG 1140
Db 1081 CATGCCCGCACCTCGCGCGCTTCTGCTGCTGAGCTGTGAGCTGTGAGTGTGAGTGTG 1140
Qy 1141 GACCTTCAGCTGTTTTTACAGGATTTCTGTTGGGAGGGGCTGTACAGAGGCTGCGCCAG 1200
Db 1141 GACCTTCAGCTGTTTTTACAGGATTTCTGTTGGGAGGGGCTGTACAGAGGCTGCGCCAG 1200
Qy 1201 AGCTGAGCGGGCAACGAGGCCGAGACACTATGATGAAGGCTTTCGATGGGAGCTT 1260

RESULT 14

US-09-651-236-110
; Sequence 110, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651.236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 110

; LENGTH: 3410

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-651-236-110

Query Match 100.0%; Score 3410; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGAAC	CAGCGT	GCAC	CGCT	GGTCT	CGGGT	GCAG	CGCG	CGCT	CGCG	CAGGAT	CTGA	60
Db	1	GGGAAC	CAGCGT	GCAC	CGCT	GGTCT	CGGGT	GCAG	CGCG	CGCT	CGCG	CAGGAT	CTGA	60
Qy	61	GTGATG	AGAC	GTGT	CCCC	ACTG	AGTGC	CCCC	CACAG	CAGC	AGTGT	TGAG	CA	120
Db	61	GTGATG	AGAC	GTGT	CCCC	ACTG	AGTGC	CCCC	CACAG	CAGC	AGTGT	TGAG	CA	120
Qy	121	AAGCTG	GAC	CGG	CAC	CAAA	GGG	CTGG	CAG	AAAT	GGG	CGC	CTT	180
Db	121	AAGCTG	AGC	CGG	CAC	CAAA	GGG	CTGG	CAG	AAAT	GGG	CGC	CTT	180
Qy	181	GGCGG	CAG	CAAG	GAG	GAG	CGC	CAG	CTT	CTGG	AG	CAG	AGC	240
Db	181	GGCGG	CAG	CAAG	GAG	GAG	CGC	CAG	CTT	CTGG	AG	CAG	AGC	240
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Db	241	GAGTGC	CTGA	ACG	CCCC	CTG	AGCC	CTA	CCG	CCCT	AGCC	CTA	TG	300
Qy	301	GGTGAG	CGC	CTG	CTGG	GAC	CGG	AAAG	CC	CA	CTT	CTG	CT	360
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Qy	361	TGGCCT	GAG	AGT	GTG	TTT	GGC	CG	CAG	GAT	CAC	CTA	TG	420
Db	361	TGGCCT	GAG	AGT	GTG	TTT	GGC	CG	CAG	GAT	CAC	CTA	TG	420
Qy	421	GGGGG	TAG	AG	AGT	TT	CAT	G	CA	CC	AT	TG	GT	480
Db	421	GGGGG	TAG	AG	AGT	TT	CAT	G	CA	CC	AT	TG	GT	480

[illegible][illegible]

RESULT 15
US-09-071-710-16
; Sequence 16, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,710
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,713
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2152 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-710-16

Query Match 56.3%; Score 1919; DB 3; Length 2152;

Best Local Similarity 99.9%; Pred. No. 0;
Matches 2149; Conservative 0; Mismatches 1; Indels 2; Gaps 1;

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Qy	1297	CTCTCTGGTCAATGACCGGCTGGTGCAGCGATTGGGCACTGAGAGTCTATTTGGCCAG	1356
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Qy	1357	TGTGGCAGCTTTCCTGTGGCTGCGGCTGCCACATGCTGTCCACAGTGTGGCGGTGT	1416
Db	181	TGTGGCAGCTTTCCTGTGGCTGCGGCTGCCACATGCTGTCCACAGTGTGGCGGTGT	240
Qy	1417	GACAGTTCAGCCCTTACCCAGCGGTTCACTTCTCAGCCCTGAGATCTCCCTACAC	1476
Db	241	GACAGTTCAGCCCTTACCCAGCGGTTCACTTCTCAGCCCTGAGATCTCCCTACAC	300
Qy	1477	ACTGGCTCCCTCTACCAACCGGAGAGCAGGTGTCTGCCCCAAATACGAGGGACAC	1536
Db	301	ACTGGCTCCCTCTACCAACCGGAGAGCAGGTGTCTGCCCCAAATACGAGGGAGAC	360
Qy	1537	TGGAGGTGTAGCAGTGAAGACAGCTGTACACAGCTTCTGTCAGCGCCCTAAGCCTGG	1596
Db	361	TGGAGGTGTAGCAGTGAAGACAGCTGTATGACAGCTTCTGTCAGCGCCCTAAGCCTGG	420
Qy	1597	AGCTCCCTTCCCTTAATGAGACAGTGGGTGTGAGGAGTGGGCTGTCTCCACCTCCACC	1656
Db	421	AGCTCCCTTCCCTTAATGAGACAGTGGGTGTGAGGAGTGGGCTGTCTCCACCTCCACC	480
Qy	1657	CGGCTCTGGGGGCTCTGCTGTGATGTCTCCGTACGTGTGTGGTGTGGGTGAGCCAC	1716
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Db	541	CGAGCCAGAGGTGGTTCGGGCCGGGGCATCTGCTGGACCTCGCCATCTCGGATAGTC	600
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Qy	1957	CACATTTGGGTGGAGGCTGCTCCTACCTGGGTCCAGCTCCCGCTCTCTTTAGCCCAT	2016
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Qy	2017	GGGCTCGCCGGCTGGCGCCAGTTTCTGTTGCTGCCAAAGTAATGTGGCTCTCTGCTGC	2076
Db	841	GGGCTCGCCGGCTGGCGCCAGTTTCTGTTGCTGCCAAAGTAATGTGGCTCTCTGCTGC	900
Qy	2077	CACCTGTGCTGTAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2136
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Qy	2555	GCTGTGTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2614
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Db	1501	GTAAGGTGGGGATCCCAACAAATAGGTCTCCCTGAGATAGCTGGTCAATTTGGGCTGATCA	1560
Qy	2735	TTGCCAGAAATCTTCTCTCTGGGTCTGGCCCCCCCCAAATAGCTTAACCCAGGACCTTGG	2794
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Qy	2795	AAATTTCTACTCATCCCAAAATGATAATTCCAAATGCTGTTTACCACAGGTGAGGTTGAA	2854

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 15, 2005, 20:49:38 ; Search time 1922 Seconds
(without alignments)
10998.333 Million cell updates/sec

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Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 6046767 seqs, 3099530249 residues

Word size : 30

Total number of hits satisfying chosen parameters: 95597

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

Published Applications NA:*

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- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	3410	100.0	3410	9	US-09-780-669-110
4	3410	100.0	3410	9	US-09-030-606-110
5	3410	100.0	3410	9	US-09-822-827-110
6	3410	100.0	3410	9	US-09-115-453-110
7	3410	100.0	3410	9	US-09-232-880-110

8	3410	100.0	3410	9	US-09-895-793-110	Sequence 110, App
9	3410	100.0	3410	9	US-09-895-814-110	Sequence 110, App
10	3410	100.0	3410	13	US-10-012-896-110	Sequence 110, App
11	3410	100.0	3410	14	US-10-010-940-110	Sequence 110, App
12	3410	100.0	3410	16	US-10-144-678A-110	Sequence 110, App
13	3410	100.0	3410	16	US-10-294-025-110	Sequence 110, App
14	3410	100.0	3410	18	US-10-453-919-100	Sequence 100, App
15	3410	100.0	3410	19	US-10-688-838-110	Sequence 110, App
16	2970	87.1	3320	21	US-09-838-785-1	Sequence 1, Appli
17	2919	85.6	3332	21	US-10-936-626-21	Sequence 21, Appl
18	2919	85.6	3332	21	US-10-938-061-21	Sequence 21, Appl
19	2441	71.6	2582	17	US-10-295-027-901	Sequence 901, App
20	1919	56.3	2152	9	US-09-841-894-16	Sequence 16, Appl
21	1859	54.5	2904	9	US-09-759-143-703	Sequence 703, App
22	1859	54.5	2904	9	US-09-780-669-703	Sequence 703, App
23	1859	54.5	2904	9	US-09-822-827-703	Sequence 703, App
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26	1859	54.5	2904	13	US-10-012-896-703	Sequence 703, App
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28	1859	54.5	2904	16	US-10-294-025-703	Sequence 15, Appl
29	1739	51.0	2143	9	US-09-841-894-15	Sequence 704, App
30	1739	51.0	4034	9	US-09-759-143-704	Sequence 704, App
31	1739	51.0	4034	9	US-09-780-669-704	Sequence 704, App
32	1739	51.0	4034	9	US-09-822-827-704	Sequence 704, App
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38	1707	50.1	4894	9	US-09-759-143-702	Sequence 702, App
39	1707	50.1	4894	9	US-09-780-669-702	Sequence 702, App
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41	1707	50.1	4894	9	US-09-895-793-702	Sequence 702, App
42	1707	50.1	4894	9	US-09-895-814-702	Sequence 702, App
43	1707	50.1	4894	13	US-10-012-896-702	Sequence 702, App
44	1707	50.1	4894	16	US-10-144-678A-702	Sequence 702, App
45	1707	50.1	4894	16	US-10-294-025-702	Sequence 702, App

ALIGNMENTS

RESULT 1
US-09-745-288-100
; Sequence 100, Application US/09745288
; Patent No. US20010018058A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.446D1
; CURRENT APPLICATION NUMBER: US/09/745,288
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-745-288-100

Query Match	100.0%;	Score 3410;	DB 9;	Length 3410;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 3410;	Conservative	0;	Mismatches	0; Indels
		0;	Gaps	0;
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RESULT 3

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US-09-780-669-110
; Sequence 110, Application US/09780669
; Patent No. US20020051977A1
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GENERAL INFORMATION:

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; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
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; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780.669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-110
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Query Match 100.0%; Score 3410; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	961	CGAGCCAG	CAGAAGGGCTGTGCGGCCCTCTCTGCTGCCCCACATGCTGTCCATGCGGGC		1020
Qy	1021	CCGCTTGG	CTTTCCGGAACTTGGGCGCCCTGCTTTCCCGGGCTGCACACAGCTGTGCTCCG		1080
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Qy	1081	CATGCCCG	CGACCCCTGTTCGTGTGGCTGAGCTGTGCAAGCTGAGATGGCATCTCAT		1140
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Qy	1141	GACCTTCA	CGCTGTTTACACGGAATTCGTGGGCGAGGGCTGTACCAGGGCGTGCCAC		1200
Db	1141	GACCTTCA	CGCTGTTTACACGGAATTCGTGGGCGAGGGCTGTACCAGGGCGTGCCAC		1200
Qy	1201	AGCTGAGC	CCGGGACCCGGAGACACTATGATGAAGGCGTTCCGGATGGGACGCT		1260
Db	1201	AGCTGAGC	CCGGGACCCGGAGACACTATGATGAAGGCGTTCCGGATGGGACGCT		1260
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Db	1381	CGGTGCCA	CACTGCTGCCACAGTGTGGCGTGGTGACAGCTTTCAGCCGCGCTCACCGG		1440
Qy	1441	GTTCACTT	CTTCAGCCCTGCAGATCTCTGCCCTACACACTGGGCCCTCTCTACACCGGGA		1500
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Qy	1561	CCTGATGA	CACAGCTTCTCTGCAGGCCCTAAGCCCTGAGAGCTCCCTTCCCTTAATGGACACGT		1620
Db	1561	CCTGATGA	CACAGCTTCTCTGCAGGCCCTAAGCCCTGAGAGCTCCCTTCCCTTAATGGACACGT		1620
Qy	1621	GGGTGTG	GAGGACAGTGGCTGTCTCCACCTTCCACCCGCGCTGTGCGGGGCTCTGTGCTG		1680
Db	1621	GGGTGTG	GAGGACAGTGGCTGTCTCCACCTTCCACCCGCGCTGTGCGGGGCTCTGTGCTG		1680
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Db	1681	TGATGTCT	CGGTAGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGGCGG		1740
Qy	1741	GGGCATCT	GTGCTGCACTCGGCATCTCTGGATGATGTCCTTCTGCTGTCCAGGTGGCCCC		1800
Db	1741	GGGCATCT	GTGCTGCACTCGGCATCTCTGGATGATGTCCTTCTGCTGTCCAGGTGGCCCC		1800
Qy	1801	ATCCCTGT	TTATNGGGCTCCATTTGTCAGCTCAGCCAGCTGTGTCACTGCCTATATGTTGTCT		1860
Db	1801	ATCCCTGT	TTATNGGGCTCCATTTGTCAGCTCAGCCAGCTGTGTCACTGCCTATATGTTGTCT		1860

Qy	1861	TGCCGAGGCCTGGGTCTGGTGGCAATTTACTTTGCTACACAGGTAGTATTTTGACAAGAG	1920
Db	1861	TGCCGAGGCCGGGTCTGGTGGCAATTTACTTTGCTACACAGGTAGTATTTTGACAAGAG	1920
Qy	1921	CGACTTGGCCAAATATCTACAGCGTAGAAAACTTCCAGCACATTTGGGGTGGAGGCCCTGCCT	1980
Db	1921	CGACTTGGCCAAATATCTACAGCGTAGAAAACTTCCAGCACATTTGGGGTGGAGGCCCTGCCT	1980
Qy	1981	CACTGGGTCCCAGCTCCCGCTCTCTGTTAGACCCCATGGGGCTGCCGGGCTGGCCGCCAGT	2040
Db	1981	CACTGGGTCCCAGCTCCCGCTCTCTGTTAGACCCCATGGGGCTGCCGGGCTGGCCGCCAGT	2040
Qy	2041	TTCTGTTGCTGCCAAAGTAATGTGGCTCTCTGCTGCGCACCCCTGTGCTGTGAGGTGCGTA	2100
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Qy 3361 AA 3410
Db 3361 AA 3410

RESULT 5

US-09-822-827-110
; Sequence 110, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-110

Query Match 100.0%; Score 3410; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACGAGCTGCAACGCGCTGGCTCCGGGTGAAGAGCGCGCGCTCGGCGAGATCTGA 60
Db 1 GGGAAACGAGCTGCAACGCGCTGGCTCCGGGTGAAGAGCGCGCGCTCGGCGAGATCTGA 60
Qy 61 GTGATGAGAGCTGTGCCCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGCTGAG 120
Db 61 GTGATGAGAGCTGTGCCCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGCTGAG 120
Qy 121 AAGCTGGAACCGGCAACAAAGGCTGGCAGAAATGGGCGCTTGGCTGATTCCTAGGCAAGTT 180
Db 121 AAGCTGGAACCGGCAACAAAGGCTGGCAGAAATGGGCGCTTGGCTGATTCCTAGGCAAGTT 180
Qy 181 GCGCGCAGCAAGGAGGAGGCGCCAGCTTCTGAGCAGAGCCGAGCAGCAAGCAAGTCTG 240
Db 181 GCGCGCAGCAAGGAGGAGGCGCCAGCTTCTGAGCAGAGCCGAGCAGCAAGCAAGTCTG 240
Qy 241 GAGTGCTGAACGCGCCCTGAGCGCTTACCGCTTGGCCCACTATGTTCCAGAGGCTGTG 300
Db 241 GAGTGCTGAACGCGCCCTGAGCGCTTACCGCTTGGCCCACTATGTTCCAGAGGCTGTG 300
Qy 301 GGTGAGCGCTGTGTTGGGCAACCGGAAAGCCAGCTTGTGCTGCTCAACCTGTAAACCTT 360
Db 301 GGTGAGCGCTGTGTTGGGCAACCGGAAAGCCAGCTTGTGCTGCTCAACCTGTAAACCTT 360
Qy 361 TGGCTTGGAGGTGTGTTGGCGCAGGCACTATGTTGCGGCTCTGTGCTGTTGGAAGT 420
Db 361 TGGCTTGGAGGTGTGTTGGCGCAGGCACTATGTTGCGGCTCTGTGCTGTTGGAAGT 420
Qy 421 GGGGTGAGAGGAGGTTTATGACCATGTTGCTGGGCAATTTGGTCAGTGTGGGCTGGT 480
Db 421 GGGGTGAGAGGAGGTTTATGACCATGTTGCTGGGCAATTTGGTCAGTGTGGGCTGGT 480
Qy 481 CTGTGTCCTGCTCCTAGGCTCAGCAGTGAACCACTGGGCTGAGCCTATGSCCGCGCG 540

Db 481 CTGTGTCCTGCTCCTAGGCTCAGCAGTGAACCACTGGGCTGAGCCTATGSCCGCGCG 540
Qy 541 GCCCTTCATCTGGGCACTGCTCTTGGGCACTCTGCTGAGCTCTTCTCATCTCCCAAGGC 600
Db 541 GCCCTTCATCTGGGCACTGCTCTTGGGCACTCTGCTGAGCTCTTCTCATCTCCCAAGGC 600
Qy 601 CGGCTGCTAGCAGGCTGCTGTGCCGGAATCCAGAGCCCTGGAGCTGGACATGCTCAT 660
Db 601 CGGCTGCTAGCAGGCTGCTGTGCCGGAATCCAGAGCCCTGGAGCTGGACATGCTCAT 660
Qy 661 CTTGGGCTGGGCTGCTGAGCTTCTGTGGCAGAGTGTGCTTCACTCACTGGAGGCGCT 720
Db 661 CTTGGGCTGGGCTGCTGAGCTTCTGTGGCAGAGTGTGCTTCACTCACTGGAGGCGCT 720
Qy 721 GCTCTCTGACCTCTTCCGGGACCCGAGCACTGTGGCAGGCTTCTGTCTATGCTT 780
Db 721 GCTCTCTGACCTCTTCCGGGACCCGAGCACTGTGGCAGGCTTCTGTCTATGCTT 780
Qy 781 CATGATCAGTCTTTGGGCTGCTGGGCTACCTCTGCTGCTGCCATTCAGTGGGACACAG 840
Db 781 CATGATCAGTCTTTGGGCTGCTGGGCTACCTCTGCTGCTGCCATTCAGTGGGACACAG 840
Qy 841 TGGCTTGGGCGCTTACCTGGGCAACCCAGGAGAGTGTCTTGGGCTGCTCAGCTCAT 900
Db 841 TGGCTTGGGCGCTTACCTGGGCAACCCAGGAGAGTGTCTTGGGCTGCTCAGCTCAT 900
Qy 901 CTTTCTCAGCTGTAGCAGCACAACCTGCTGGCTGAGGAGCAGCGCTGGGCGCCAC 960
Db 901 CTTTCTCAGCTGTAGCAGCACAACCTGCTGGCTGAGGAGCAGCGCTGGGCGCCAC 960
Qy 961 CGAGCCAGCAAGAGGCTGTGCGGCCCTCTTGTGCTGCCCACTGTGCTCATGCCGCG 1020
Db 961 CGAGCCAGCAAGAGGCTGTGCGGCCCTCTTGTGCTGCCCACTGTGCTCATGCCGCG 1020
Qy 1021 CGGCTTGGCTTTCGGAAACCTGGGCGCTTGTCTTCCCGGCTGCAACAGCTGTGCTGCG 1080
Db 1021 CGGCTTGGCTTTCGGAAACCTGGGCGCTTGTCTTCCCGGCTGCAACAGCTGTGCTGCG 1080
Qy 1081 CATGCCCCGACCTGCGCGGCTCTTGTGGCTGAGCTGTGACAGCTGGATGGACATCAT 1140
Db 1081 CATGCCCCGACCTGCGCGGCTCTTGTGGCTGAGCTGTGACAGCTGGATGGACATCAT 1140
Qy 1141 GACCTTCACGCTGTTTACACGGATTTCTGTTGGGCGAGGGCTGTACAGGCGCTGCCAG 1200
Db 1141 GACCTTCACGCTGTTTACACGGATTTCTGTTGGGCGAGGGCTGTACAGGCGCTGCCAG 1200
Qy 1201 AGCTGAGCCGGGCAACGAGGCGCGGAGACATATGATGAAGGCTTCGGATGGGCGCT 1260
Db 1201 AGCTGAGCCGGGCAACGAGGCGCGGAGACATATGATGAAGGCTTCGGATGGGCGCT 1260
Qy 1261 GGGGCTGTTCTGAGTGCGGCATCTCCCTGCTTCTCTGCTGCTATGGACCGGCTGGT 1320
Db 1261 GGGGCTGTTCTGAGTGCGGCATCTCCCTGCTTCTCTCTGCTATGGACCGGCTGGT 1320
Qy 1321 GCAGCGATTCGGCACTCGAGCAGTCTATTTGGGCGAGTGTGGCAGCTTTCCTGTGGCTGC 1380
Db 1321 GCAGCGATTCGGCACTCGAGCAGTCTATTTGGGCGAGTGTGGCAGCTTTCCTGTGGCTGC 1380
Qy 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGGTGACAGCTTCAGCGGCTTCACCGG 1440
Db 1381 CGGTGCCACATGCTGTGCCACAGTGTGGCGGTGACAGCTTCAGCGGCTTCACCGG 1440
Qy 1441 GTTCACCTTCTCAGCCCTGAGATCTCCCTTACACATGAGCTTCAGCGGCTTCACCGG 1500
Db 1441 GTTCACCTTCTCAGCCCTGAGATCTCCCTTACACATGAGCTTCAGCGGCTTCACCGG 1500
Qy 1501 GAGCAGGCTGTTCTGCGCCAAATACCGAGGGAACCTGGAGGTCTAGCAGTGAAGACAG 1560
Db 1501 GAGCAGGCTGTTCTGCGCCAAATACCGAGGGAACCTGGAGGTCTAGCAGTGAAGACAG 1560
Qy 1561 CCTGATCAGCAGCTTCTGCGCAGGCGCTTAAGCCTTGGAGCTTCCCTTCCCTTAATGACACGT 1620

1561 CCTGATGACAGCTTCCTGCCAGGCCCTTAAGCTGGAGCTCCCTTCCCTAATGACACGT 1620 Db
1621 GGGTCTCGAGGCACTGGCTCTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680 Qy
1621 GGGTCTCGAGGCACTGGCTCTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCGCTG 1680 Db
1681 TGATGTCTCCGTACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1740 Qy
1681 TGATGTCTCCGTACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1740 Db
1741 GGGCATCTGCTGGACCTCGCATCTCGATAGTGCCTTCTCTGCTGCCAGGTGGCCCC 1800 Qy
1741 GGGCATCTGCTGGACCTCGCATCTCGATAGTGCCTTCTCTGCTGCCAGGTGGCCCC 1800 Db
1801 ATCCCTGTTTATGGGCTCCATGTGCTCCAGCTCAGCCAGTCTGTCACTGCTCTATATGGTGT 1860 Qy
1801 ATCCCTGTTTATGGGCTCCATGTGCTCCAGCTCAGCCAGTCTGTCACTGCTCTATATGGTGT 1860 Db
1861 TGCCGAGGCTGGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1920 Qy
1861 TGCCGAGGCTGGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1920 Db
1921 CGACTTGGCCAAATACTCAGCGTAGAATACTTCCAGCACATTTGGGGTGGAGGGCTGCT 1980 Qy
1921 CGACTTGGCCAAATACTCAGCGTAGAATACTTCCAGCACATTTGGGGTGGAGGGCTGCT 1980 Db
1981 CACTGGGTCCAGCTCCCGCTCTGTTAGGCCCATGGGGTGGCGGCTGGCGGCCAGT 2040 Qy
1981 CACTGGGTCCAGCTCCCGCTCTGTTAGGCCCATGGGGTGGCGGCTGGCGGCCAGT 2040 Db
2041 TTCTGTTGCTGCAAAAGTAAATGTGGCTCTGCTGCCACCTGTGCTGCTGAGTGGGTA 2100 Qy
2041 TTCTGTTGCTGCAAAAGTAAATGTGGCTCTGCTGCCACCTGTGCTGCTGAGTGGGTA 2100 Db
2101 GCTGCACAGCTGGGGCTGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160 Qy
2101 GCTGCACAGCTGGGGCTGGGGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2160 Db
2161 ACTGAGGCTTCCAGGGGGTTCAGTCTGGACTTATACAGGAGGCGCAGAGGGCTCC 2220 Qy
2161 ACTGAGGCTTCCAGGGGGTTCAGTCTGGACTTATACAGGAGGCGCAGAGGGCTCC 2220 Db
2221 ATGCACTGGAATGCGGGGACTCTGAGTGGATTAACAGGCTCAGGGTTAACAGCTAGC 2280 Qy
2221 ATGCACTGGAATGCGGGGACTCTGAGTGGATTAACAGGCTCAGGGTTAACAGCTAGC 2280 Db
2281 CTCCTAGTTGAGACACCTAGAGAGGGTGGGGAGCTGATTAACCTCAGTCACTCAGT 2340 Qy
2281 CTCCTAGTTGAGACACCTAGAGAGGGTGGGGAGCTGATTAACCTCAGTCACTCAGT 2340 Db
2341 GTTTCCTCATCTAAGCCCTTAACCTGCAGCTTCGTTTAAATGATGCTCTTGCATGGGAG 2400 Qy
2341 GTTTCCTCATCTAAGCCCTTAACCTGCAGCTTCGTTTAAATGATGCTCTTGCATGGGAG 2400 Db
2401 TTTCTAGGATGAACAACCTCTCCATGGGATTTGAACATATGACTTATTTGAGGGGAAGA 2460 Qy
2401 TTTCTAGGATGAACAACCTCTCCATGGGATTTGAACATATGACTTATTTGAGGGGAAGA 2460 Db
2461 GTCTGAGGGCAACACACAGAACCCAGTCCCTCAGCCACAGCACTGCTTTTGGCT 2520 Qy
2461 GTCTGAGGGCAACACACAGAACCCAGTCCCTCAGCCACAGCACTGCTTTTGGCT 2520 Db
2521 GATCCACCCCTCTTACCTTTTATCAGATGTGGCTTGTGGTCTCTCTCTCTCTCTCTCT 2580 Qy
2521 GATCCACCCCTCTTACCTTTTATCAGATGTGGCTTGTGGTCTCTCTCTCTCTCTCTCT 2580 Db
2581 CAGAGACACAGGCAATTTAAATTTAACTTATTTTAAACAAAGTAGAGGGAATCCAT 2640 Qy
2581 CAGAGACACAGGCAATTTAAATTTAACTTATTTTAAACAAAGTAGAGGGAATCCAT 2640 Db
2641 TGCTAGCTTTTCTGTGTGGTGTCTTAATTTGGGTAGGGTGGGGTATCCCAACAATCA 2700 Qy
2641 TGCTAGCTTTTCTGTGTGGTGTCTTAATTTGGGTAGGGTGGGGTATCCCAACAATCA 2700 Db

2701 GGTCCCCGTGAGATAGCTGGTCAATTGGGCTGATCATATGCCAGAACTCTTCTTCTCTGGGT 2760 Qy
2701 GGTCCCCGTGAGATAGCTGGTCAATTGGGCTGATCATATGCCAGAACTCTTCTTCTCTGGGT 2760 Db
2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTACTCATCCCAAAATGATAAT 2820 Qy
2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTACTCATCCCAAAATGATAAT 2820 Db
2821 TCCAAATGCTGTGTACCAAGGTAGGGTGTGGAAGGAGGTAGAGGGTGGGGCTTCAGGT 2880 Qy
2821 TCCAAATGCTGTGTACCAAGGTAGGGTGTGGAAGGAGGTAGAGGGTGGGGCTTCAGGT 2880 Db
2881 CTCAAAGGGCTTCCCTAACCAACCCCTCTTCTCTTGGGCCAGCTGGTTCCTCCCTTCCA 2940 Qy
2881 CTCAAAGGGCTTCCCTAACCAACCCCTCTTCTCTTGGGCCAGCTGGTTCCTCCCTTCCA 2940 Db
2941 CTCCCTCTACTCTCTTAGGACTGGGCTGATGAAGGACTGCCCAAAATTTCCCTTACC 3000 Qy
2941 CTCCCTCTACTCTCTTAGGACTGGGCTGATGAAGGACTGCCCAAAATTTCCCTTACC 3000 Db
3001 CCCAACTTTCCCTTACCCCAACTTTCCCAACAGCTCCCAACCCCTGTTTGGAGCTACT 3060 Qy
3001 CCCAACTTTCCCTTACCCCAACTTTCCCAACAGCTCCCAACCCCTGTTTGGAGCTACT 3060 Db
3061 GCAGGACGAGAAGCACAAAGTGGGTTTCCCAAGCTTTTGTCCATCTCAGCCCCCAGAGT 3120 Qy
3061 GCAGGACGAGAAGCACAAAGTGGGTTTCCCAAGCTTTTGTCCATCTCAGCCCCCAGAGT 3120 Db
3121 ATATCTGTGCTTGGGGAATCTCACAGAACTCAGAGGACCCCTGCTGAGCTAAGG 3180 Qy
3121 ATATCTGTGCTTGGGGAATCTCACAGAACTCAGAGGACCCCTGCTGAGCTAAGG 3180 Db
3181 GAGTCTTATCTCTCAGGGGGTAAAGTGGCGTTTGAATAATGCTCTTATTTATT 3240 Qy
3181 GAGTCTTATCTCTCAGGGGGTAAAGTGGCGTTTGAATAATGCTCTTATTTATT 3240 Db
3241 TAGCGGGTGAATAATTTTATATCTGTAAGTGAGCAATCAGAGTATAATGTTATGTTGACA 3300 Qy
3241 TAGCGGGTGAATAATTTTATATCTGTAAGTGAGCAATCAGAGTATAATGTTATGTTGACA 3300 Db
3301 AATTAAAGCTTCTTATATGTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTTAA 3360 Qy
3301 AATTAAAGCTTCTTATATGTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTTAA 3360 Db
3361 AA 3410 Qy
3361 AA 3410 Db

RESULT 6

US-09-115-453-110
; Sequence 110, Application US/09115453B
; Patent No. US20020090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-115-453-110

Query Match 100.0%; Score 3410; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGAACGAGCCTGCA	CGCGCTGGGCTCCGGGTTGAC	AGCCGCGCGCCTCGGCCAGGATCTGA	60
Db	1	GGGAACGAGCCTGCA	CGCGCTGGGCTCCGGGTTGAC	AGCCGCGCGCCTCGGCCAGGATCTGA	60
Qy	61	GTGATGAGACGTGT	CCCCACATGAGTGGCCCA	CAGCAGCAGCGTGTGAGCATGGCTGAG	120
Db	61	GTGATGAGACGTGT	CCCCACATGAGTGGCCCA	CAGCAGCAGCGTGTGAGCATGGCTGAG	120
Qy	121	AAGCTGGAACCGGCA	CCAAAGGGCTGGCAGAAATGGGCGCTT	GGCTGATATCTCTAGGCAGATT	180
Db	121	AAGCTGAGACCGGCA	CCAAAGGGCTGGCAGAAATGGGCGCTT	GGCTGATATCTCTAGGCAGATT	180
Qy	181	GGCGGACAGGAGGAG	GCGCCGAGCTTCTGAGCAGAGACCCAGACG	AGACAGTTCGTCTG	240
Db	181	GGCGGACAGGAGGAG	GCGCCGAGCTTCTGAGCAGAGACCCAGACG	AGACAGTTCGTCTG	240
Qy	241	GAGTGCCTTGAACGG	CCCCCTGAGCGCTTACCCGCTTGGCCCACTAT	TGGTCCAGAGGCTGTG	300
Db	241	GAGTGCCTTGAACGG	CCCCCTGAGCGCTTACCCGCTTGGCCCACTAT	TGGTCCAGAGGCTGTG	300
Qy	301	GGTGAGCGCGCTGT	CTGGGCAACCGGAAGCCAGCACTTTGCTGTG	TCAACTGTCTTAACCTT	360
Db	301	GGTGAGCGCGCTGT	CTGGGCAACCGGAAGCCAGCACTTTGCTGTG	TCAACTGTCTTAACCTT	360
Qy	361	TGGCCTTGGAGGTGT	TTTGGCCGAGGCAATCACCTATATGTCGGCCT	CTGTGCTGGAAGT	420
Db	361	TGGCCTTGGAGGTGT	TTTGGCCGAGGCAATCACCTATATGTCGGCCT	CTGTGCTGGAAGT	420
Qy	421	GGGGGTAGAGGAGA	AGTTTCATGACCATGTGCTGGGCAATTGGTCCAGT	TGCTGGGCTTGGT	480
Db	421	GGGGGTAGAGGAGA	AGTTTCATGACCATGTGCTGGGCAATTGGTCCAGT	TGCTGGGCTTGGT	480
Qy	481	CTGTGTCCCGCTCT	TAGGCTCAGCCAGTGACCACTGCGGTGGACG	CTATGCGCCGCGCG	540
Db	481	CTGTGTCCCGCTCT	TAGGCTCAGCCAGTGACCACTGCGGTGGACG	CTATGCGCCGCGCGCG	540
Qy	541	GCCCTTCATCTGG	CACTGTCTTGGGCATCTGCTGAGCCTCTTTCTCAT	CCCCAAGGGC	600
Db	541	GCCCTTCATCTGG	CACTGTCTTGGGCATCTGCTGAGCCTCTTTCTCAT	CCCCAAGGGC	600
Qy	601	CGGCTGTGTAGCAG	GGTGTGTGCCCGGATCCAGAGCCCTCTGAGCT	TGGCACTGTCTCAT	660
Db	601	CGGCTGTGTAGCAG	GGTGTGTGCCCGGATCCAGAGCCCTCTGAGCT	TGGCACTGTCTCAT	660
Qy	661	CTTGGGCGTGGGCT	GTGTGAGCTTCTGTGGCCAGGTGTCTCACTCCACT	TGGAGGCGCT	720
Db	661	CTTGGGCGTGGGCT	GTGTGAGCTTCTGTGGCCAGGTGTCTCACTCCACT	TGGAGGCGCT	720
Qy	721	GCTCTCTGACCTCT	TTCCGGGACCCGGACCACTGTGCGCGGCTTACT	TGCTCTATGCTT	780
Db	721	GCTCTCTGACCTCT	TTCCGGGACCCGGACCACTGTGCGCGGCTTACT	TGCTCTATGCTT	780
Qy	781	CATGATCAGTCTT	GGGGGCTGCTCTGGGCTACTCTCTGCTGCCATT	TGACTTGGGACACAG	840
Db	781	CATGATCAGTCTT	GGGGGCTGCTCTGGGCTACTCTCTGCTGCCATT	TGACTTGGGACACAG	840
Qy	841	TGCCCTGGCCCCCT	ACTCTGGGCAACCAAGAGGAGTGTCTTTTGGCCT	TGTCTACCTTCAT	900
Db	841	TGCCCTGGCCCCCT	ACTCTGGGCAACCAAGAGGAGTGTCTTTTGGCCT	TGTCTACCTTCAT	900
Qy	901	CTTCTCACCTGCT	TAGCAGCCACTGTGTTGGTGGCTGAGAGGAC	AGCGCTGGGCCCCAC	960
Db	901	CTTCTCACCTGCT	TAGCAGCCACTGTGTTGGTGGCTGAGAGGAC	AGCGCTGGGCCCCAC	960
Qy	961	CGAGCCAGCAGAAG	GGGTGTTCGGCCCCCTCTTGTTCGCCCCCACT	TGTCTTCCATCGCGGC	1020
Db	961	CGAGCCAGCAGAAG	GGGTGTTCGGCCCCCTCTTGTTCGCCCCCACT	TGTCTTCCATCGCGGC	1020
Qy	1021	CCGCTTGGCTTTT	CCGGAACCTTGGGGCGCCCTGCTTCCCGGGT	GTGACACAGTGTGCTGCGG	1080
Db	1021	CCGCTTGGCTTTT	CCGGAACCTTGGGGCGCCCTGCTTCCCGGGT	GTGACACAGTGTGCTGCGG	1080

QY	1081	CATGCCCGCACCCCTGGCCCGGCTCTTCTGTTGGCTGAGCTGTGACGTGGATGGCACTCAT	1144
DB	1081	CATGCCCGCACCCCTGGCCCGGCTCTTCTGTTGGCTGAGCTGTGACGTGGATGGCACTCAT	1140
QY	1141	GACCTTCACGCTGTTTTACACGATTTCTGTGGCGAGGGCTCTGTACACGGCGTGCACCAG	1200
DB	1141	GACCTTCACGCTGTTTTACACGATTTCTGTGGCGAGGGCTGTATACAGGGCTGCACCAG	1200
QY	1201	AGCTGAGCCGGGACCGAGGCCCGGAGACACTATATGATGAAGGCGTTTCGATGGGACGCT	1260
DB	1201	AGCTGAGCCGGGACCGAGGCCCGGAGACACTATGATGAAGGCGTTTCGATGGGACGCT	1260
QY	1261	GGGGCTGTTCTGGAGTGGCCATCTCCCTGGTCTTCTCTGTGGTCAATGACACGGGTGGT	1320
DB	1261	GGGGCTGTTCTGGAGTGGCCATCTCCCTGGTCTTCTCTGTGGTCAATGACACGGGTGGT	1320
QY	1321	GCAGCGATTCCGCACTCGACAGCTCTATTTTGGCCAGTGTGGGAGCTTCCCTGTGGCTGC	1380
DB	1321	GCAGCGATTCCGCACTCGACAGCTCTATTTTGGCCAGTGTGGGAGCTTCCCTGTGGCTGC	1380
QY	1381	CGGTGCCACATGCTGTGCCACAGTGTGGCGGTGTGACAGCTTTCAGCGCCCTCACCCG	1440
DB	1381	CGGTGCCACATGCTGTGCCACAGTGTGGCGGTGTGACAGCTTTCAGCGCCCTCACCCG	1440
QY	1441	GTTTACCTTCTAGCCCTGAGATCTGCGCTTACACCTGTGGCTCTCTTACACACCGGGA	1500
DB	1441	GTTTACCTTCTAGCCCTGAGATCTGCGCTTACACCTGTGGCTCTCTTACACACCGGGA	1500
QY	1501	GAAGCAGGTGTTCTGCCCAATACACAGGGGACACTGGAGGTGTAGCAGTGGAGACAG	1560
DB	1501	GAAGCAGGTGTTCTGCCCAATACACAGGGGACACTGGAGGTGTAGCAGTGGAGACAG	1560
QY	1561	CCTGATGACCAGCTTCTGCGAGGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGT	1620
DB	1561	CCTGATGACACAGCTTCTGCGAGGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGT	1620
QY	1621	GGGTGCTGGAGGAGTGGCTGTCCCACTCCACCCGCGTCTGCGGGCTCTCTGCCCTG	1680
DB	1621	GGGTGCTGGAGGAGTGGCTGTCCCACTCCACCCGCGTCTGCGGGCTCTCTGCCCTG	1680
QY	1681	TGATGTCTCCGTACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGCGG	1740
DB	1681	TGATGTCTCCGTACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGCGG	1740
QY	1741	GGGCATCTGCTGGACCTCGCCACTCTGGATAGTGTCTTCTGCTGTCCAGGTGGCCCC	1800
DB	1741	GGGCATCTGCTGGACCTCGCCACTCTGGATAGTGTCTTCTGCTGTCCAGGTGGCCCC	1800
QY	1801	ATCCCTGTTTTATGGGCTCCATTTGTCCAGCTTCAGCTTCAGTCTATATGTTGTC	1860
DB	1801	ATCCCTGTTTTATGGGCTCCATTTGTCCAGCTTCAGTCTATATGTTGTC	1860
QY	1861	TGCGGACGGCTGGGTCTGGTGGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAAG	1920
DB	1861	TGCGGACGGCTGGGTCTGGTGGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAAG	1920
QY	1921	CGACTTGGCCAAATACTCAGCGTAGAAAACCTCCAGCATTGGGGTGGAGGCCCTGCT	1980
DB	1921	CGACTTGGCCAAATACTCAGCGTAGAAAACCTCCAGCATTGGGGTGGAGGCCCTGCT	1980
QY	1981	CACGTGGTCCAGCTCCCGCTCTGTGTAGCCCATGCGGGCTGCCGGCTGGCCCGCACT	2040
DB	1981	CACGTGGTCCAGCTCCCGCTCTGTGTAGCCCATGCGGGCTGCCGGCTGGCCCGCACT	2040
QY	2041	TTCTGTGTGCCAAAGTAATGTGGCTCTCTGTGTGCCACCTGTGTCTGTAGGGTGGCTA	2100
DB	2041	TTCTGTGTGCCAAAGTAATGTGGCTCTCTGTGTGCCACCTGTGTCTGTAGGGTGGCTA	2100
QY	2101	GCTGCAAGCTGGGGCTGGGGCTCCCTCTCTCTCTCCAGTCTCTAGGCTGCTG	2160
DB	2101	GCTGCAAGCTGGGGCTGGGGCTCCCTCTCTCTCTCCAGTCTCTAGGCTGCTG	2160
QY	2161	ACTGGAGGCTTCCAAAGGGGGTTTCAGTCTGGACTTATACAGGGAGGCCAGAGGGCTCC	2220

Db 2161 ACTGAGGCTTCCAAAGGGGTTTCAGTCTGGACTATACAGGGAGGCCAAGGGCTCC 2220
Qy 2221 ATGCACTGGAATGCGGGGACTCTGAGGTGAGTATACCCAGGCTCAGGCTTAACAGCTAGC 2280
Db 2221 ATGCACTGGAATGCGGGGACTCTGAGGTGAGTATACCCAGGCTCAGGCTTAACAGCTAGC 2280
Qy 2281 CTCCTAGTTGAGACACACTAGAGAAGGTTTTTGGGAGCTGAATAAACTCAGTCACCTG 2340
Db 2281 CTCCTAGTTGAGACACACTAGAGAAGGTTTTTGGGAGCTGAATAAACTCAGTCACCTG 2340
Qy 2341 GTTTCCTCATCTCTAAGCCCTTAACTCGAGCTTCGTTTAAATGATAGCTCTTGCATGGAG 2400
Db 2341 GTTTCCTCATCTCTAAGCCCTTAACTCGAGCTTCGTTTAAATGATAGCTCTTGCATGGAG 2400
Qy 2401 TTTCTAGATGAACACACTCTCCATCGGATTTGAACATATGACTTATTGTAGGGGAAGA 2460
Db 2401 TTTCTAGATGAACACACTCTCCATCGGATTTGAACATATGACTTATTGTAGGGGAAGA 2460
Qy 2461 GTCCTGAGGGGCAACACAAAGAACAGGTCCTTCAGCCACAGCACTGTCTTTTGTCT 2520
Db 2461 GTCCTGAGGGGCAACACAAAGAACAGGTCCTTCAGCCACAGCACTGTCTTTTGTCT 2520
Qy 2521 GATCACCCCTCTTACCTTTATCAGATGTGGCCTGTGGTCTCTCTGTGTCATCA 2580
Db 2521 GATCACCCCTCTTACCTTTATCAGATGTGGCCTGTGGTCTCTCTGTGTCATCA 2580
Qy 2581 CAGACACAGGCATTTAAATATTAACTTATTATTTAAACAAAGTAGAAGGAATCCAT 2640
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Qy 2641 TGCTAGCTTTTCTGTGTGGTCTTAATATTATTTGGGTAGGGTGGGGATCCCAACAATCA 2700
Db 2641 TGCTAGCTTTTCTGTGTGGTCTTAATATTATTTGGGTAGGGTGGGGATCCCAACAATCA 2700
Qy 2701 GGTCCCTGAGATAGCTGGCTCATTTGGCTGATTCATGTCAGAACTTCTCTCTGGGGT 2760
Db 2701 GGTCCCTGAGATAGCTGGCTCATTTGGCTGATTCATTTGCAGAACTTCTCTCTGGGGT 2760
Qy 2761 GTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTACTCATCCCAAAATGATAAT 2820
Db 2761 GTGGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTACTCATCCCAAAATGATAAT 2820
Qy 2821 TCCAAATGCTGTATCCCAAGGTTAGGTTGTGAAGGAAGTAGAGGTGGGGCTTCAGGT 2880
Db 2821 TCCAAATGCTGTATCCCAAGGTTAGGTTGTGAAGGAAGTAGAGGTGGGGCTTCAGGT 2880
Qy 2881 CTCACGGGTTCCCTTAAACAACCCCTCTCTTGGCCAGGCTGGTTCCCCCACTTCCA 2940
Db 2881 CTCACGGGTTCCCTTAAACAACCCCTCTCTTGGCCAGGCTGGTTCCCCCACTTCCA 2940
Qy 2941 CTCCTCTACTCTCTAGACTGGGCTGATGAGGCACCTGCCCAAAATTTCCCTTACC 3000
Db 2941 CTCCTCTACTCTCTAGACTGGGCTGATGAGGCACCTGCCCAAAATTTCCCTTACC 3000
Qy 3001 CCCAACTTTCCCTTACCCTTCCCACTTCCCAAGGCTCCCAACCCCTGTGTGGAGCTACT 3060
Db 3001 CCCAACTTTCCCTTACCCTTCCCACTTCCCAAGGCTCCCAACCCCTGTGTGGAGCTACT 3060
Qy 3061 GCAGGACAGAAAGCAAAAGTGGGTTTTCCCAAGCTTTGTCCATCTCAGCCCCCAGAGT 3120
Db 3061 GCAGGACAGAAAGCAAAAGTGGGTTTTCCCAAGCTTTGTCCATCTCAGCCCCCAGAGT 3120
Qy 3121 ATATCTGTGCTGGGGAATCTCACACAAACTCAGGAGCACCCCTCGCTGAGCTAAGG 3180
Db 3121 ATATCTGTGCTGGGGAATCTCACACAAACTCAGGAGCACCCCTCGCTGAGCTAAGG 3180
Qy 3181 GAGGTCTTATCTCTCAGGGGGGTTTAAAGTGCCTTTTGCATTAATGTCTTATTTATT 3240
Db 3181 GAGGTCTTATCTCTCAGGGGGGTTTAAAGTGCCTTTTGCATTAATGTCTTATTTATT 3240
Qy 3241 TAGCGGGGTGAATATTTTATACTGTAAGTAGCAATCAGATATAATGTTTATGGTGACA 3300

Db 3241 TAGCGGGGTGAATATTTTATCTACTTAAGTAGCAANTCAGAGTATAATGTTTATGGTGACA 3300
Qy 3301 AAATTTAAAGGCTTTCTTTATATGTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTT 3360
Db 3301 AAATTTAAAGGCTTTCTTTATATGTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTT 3360
Qy 3361 AAAAAAARAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTT 3410
Db 3361 AAAAAAARAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTTAAAAAAGGCTTT 3410
RESULT 7
US-09-232-880-110
; Sequence 110, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232,880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-880-110
Query Match 100.0%; Score 3410; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGAAACAGGCTGCACCGCTGGCTCCGGGTGACAGCGCGGCTCGGCCAGGATCTGA 60
Db 1 GGGAAACAGGCTGCACCGCTGGCTCCGGGTGACAGCGCGGCTCGGCCAGGATCTGA 60
Qy 61 GTGATGAGAGCTGTCCCACTAGAGTCCCCACACAGCAGCAGGTGTTGAGCATGGCTGAG 120
Db 61 GTGATGAGAGCTGTCCCACTAGAGTCCCCACACAGCAGCAGGTGTTGAGCATGGCTGAG 120
Qy 121 AAGCTGACCGCGCACCAAGGGCTGGCAGAAATGGCGGCTTGGCTGATTCTTAGGCAGTT 180
Db 121 AAGCTGACCGCGCACCAAGGGCTGGCAGAAATGGCGGCTTGGCTGATTCTTAGGCAGTT 180
Qy 181 GGCGGACAGAGGAGGAGCGCCAGCTTCTGAGCAGAGCCGAGAGCAAGCAGTTCTG 240
Db 181 GGCGGACAGAGGAGGAGCGCCAGCTTCTGAGCAGAGCCGAGAGCAAGCAGTTCTG 240
Qy 241 GAGTGTCTGAACGGCCCCCTGAGCCCTACCGCTTGGCCCACTATGTTCCAGAGGCTG 300
Db 241 GAGTGTCTGAACGGCCCCCTGAGCCCTACCGCTTGGCCCACTATGTTCCAGAGGCTG 300
Qy 301 GGTGAGCGCTGTCTGGGACACCGGAAAGCCAGCTTCTGTGTCTCAACCTGCTAACCTT 360
Db 301 GGTGAGCGCTGTCTGGGACACCGGAAAGCCAGCTTCTGTGTCTCAACCTGCTAACCTT 360
Qy 361 TGGCCTGAGAGGTGTTTGGCCGAGGCATCACCTATGTGCGGCTCTGTCTGTGGAAGT 420
Db 361 TGGCCTGAGAGGTGTTTGGCCGAGGCATCACCTATGTGCGGCTCTGTCTGTGGAAGT 420
Qy 421 GGGGTTAGAGAGAGTTTCATGACCATGCTCGGCAATGGTCCAGTCTGGGCTCGT 480
Db 421 GGGGTTAGAGAGAGTTTCATGACCATGCTCGGCAATGGTCCAGTCTGGGCTCGT 480
Qy 481 CTGTGTCCTCGCTCTTAGGCTCAGCAGTGACCACTGGCGTGGAGGCTATGCGCCGCGCG 540
Db 481 CTGTGTCCTCGCTCTTAGGCTCAGCAGTGACCACTGGCGTGGAGGCTATGCGCCGCGCG 540
Qy 541 GCCCTTCATCTGGGCACTGTCTTTGGGCATCTCTGCTGAGCCTCTTTCTCTCCTCAAGGCG 600

[illegible]

D _b	1621	G G T G C T G S A G C A G T G G C C T G C T C C A C C T C C A C C C G G G C T C T G C G G G C C T C T G C C T G	1680
Q _y	1681	T G A T G T C T C C G T A C G T G T G G T G G T G A G C C A C C G A G G C C A G G G T G T T C C G G G C C G	1740
D _b	1681	T G A T G T C T C C G T A C G T G T G G T G G T G A G C C A C C G A G G C C A G G G T G T T C C G G G C C G	1740
Q _y	1741	G G G C A T C T G C T G S A C C T C G C C A T C T T G B A N T G T C T T C C T G C T G T C C A G G T G G C C C C	1800
D _b	1741	G G G C A T C T G C T G S A C C T C G C C A T C T T G B A N T G T C T T C C T G C T G T C C A G G T G G C C C C	1800
Q _y	1901	A T C C C T G T T A T G G G C T C C A T G T C C A G C T C A G C C A G T G T G C A C T G T C A C T P A T A T G T G T C	1860
D _b	1801	A T C C C T G T T A T G G G C T C C A T G T C C A G C T C A G C C A G T G T G C A C T G T C A C T P A T A T G T G T C	1860
Q _y	1861	T G C C G C A G G C C T G G G T C T G T C C C C A T T T A C T T T G C T A C A C A G G T A G T A T T T G A C A A G A G	1920
D _b	1861	T G C C G C A G G C C T G G G T C T G T C C C C A T T T A C T T T G C T A C A C A G G T A G T A T T T G A C A A G A G	1920
Q _y	1921	C G A C T T G G C C A A T F A C T A G C G T A G A A A A C T T C C A C A C A T T G G G G T G A G G G C C T G C C T	1980
D _b	1921	C G A C T T G G C C A A T F A C T A G C G T A G A A A A C T T C C A C A C A T T G G G G T G A G G G C C T G C C T	1980
Q _y	1981	C A C T G G G T C C C A G C T C C C C G C T C C T G T A G C C C C A T G S G G C T G C C G G G T G S C G C C A G T	2040
D _b	1981	C A C T G G G T C C C A G C T C C C C G C T C C T G T A G C C C C A T G S G G C T G C C G G G T G S C G C C A G T	2040
Q _y	2041	T T C T G T T G C T C C A A A G T A A T G T G G T C T C T G T G C C A C C C T G T G C T G C T A G E T T G C G T A	2100
D _b	2041	T T C T G T T G C T C C A A A G T A A T G T G G T C T C T G T G C C A C C C T G T G C T G C T A G E T T G C G T A	2100
Q _y	2101	G C T G C A C A G C T G S G G G C T G S G G C T C C C T C T C T C T C C C C A G H T C T A G G G C T G C C T G	2160
D _b	2101	G C T G C A C A G C T G S G G G C T G S G G C T C C C T C T C T C T C C C C A G T C T C T A G G G C T G C C T G	2160
Q _y	2161	A C T G G A G G C C T T C A A G S G G G T T T C A G T C T G A C T T A T A C A G G A G G C C A G A A G G C T C C	2220
D _b	2161	A C T G G A G G C C T T C C A A G S G G G T T T C A G T C T G A C T T A T A C A G G A G G C C A G A A G G C T C C	2220
Q _y	2221	A T G C A C T G G A A T G S G G A C T C T G C A G E T G G A T T A C C A G G C T C A G G G T T A A C A G C T A G C	2280
D _b	2221	A T G C A C T G G A A T G S G G A C T C T G C A G E T G G A T T A C C A G G C T C A G G G T T A A C A G C T A G C	2280
Q _y	2281	C T C C T A G T T C A G A C A C C T A G A A A G G G T T T T G G A G C T G A A T A A A C T C A G T C A C C T G	2340
D _b	2281	C T C C T A G T T C A G A C A C C T A G A A A G G G T T T T G G A G C T G A A T A A A C T C A G T C A C C T G	2340
Q _y	2341	G T T T C C C A T C T A A G C C C T T A A C C T G C A G C T T C G T T T A A T G T A G C T C T T G C A T G G G A G	2400
D _b	2341	G T T T C C C A T C T A A G C C C C T T A A C C T G C A G C T T C G T T T A A T G T A G C T C T T G C A T G G G A G	2400
Q _y	2401	T T T C T A G A T G A A C A C T C C T C C A T G G A T T T G A A C A T A T G A C T T A T T T G A G G G A A G A	2460
D _b	2401	T T T C T A G A T G A A A C A C T C C T C C A T G G A T T T G A A C A T A T G A C T T A T T T G A G G G A A G A	2460
Q _y	2461	G T C C T G A G G G C A A C A C A A A G A C C A G S T C C C C T C A G C C C C A C A G C A C T G T C T T T T G C T	2520
D _b	2461	G T C C T G A G G G C A A C A C A A A G A C C A G S T C C C C T C A G C C C C A C A G C A C T G T C T T T T G C T	2520
Q _y	2521	G A T C C A C C C C C T T A C T T T T A T A C A A T G T G G C C T G T T G T C C T C T G T T G C C A T C A	2580
D _b	2521	G A T C C A C C C C C C T T A C T T T T A T A C A A T G T G G C C T G T T G T C C T C T G T T G C C A T C A	2580
Q _y	2581	C A G A G A C A C A G G C A T T A A A T A T T T A A C T T A T T T A C A A A G T A G A G G A A T C C A T	2640
D _b	2581	C A G A G A C A C A G G C A T T A A A T A T T T A A C T T A T T T A C A A A G T A G A A G G A A T C C A T	2640
Q _y	2641	T G C T A G C T T T C T G T T G T G T C T A A T A T T T G G G T A G G G T G G G G A T C C C C A A C A A T C A	2700
D _b	2641	T G C T A G C T T T C T G T T G T G T C T A A T A T T T G G G T A G G G T G G G G A T C C C C A A C A A T C A	2700
Q _y	2701	G G T C C C C T G A G A T A G T G T C A T T G G G C T G A T C A T T G C C A G A A T C T T C T C T C T G G G T	2760
D _b	2701	G G T C C C C T G A G A T A G T G T C A T T G G G C T G A T C A T T G G G C T G A T C A T T G C C A G A A T C T T C T C T G G G T	2760

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QY 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTTGGAAATTTACTCATCCCAATGATAAT 2820
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QY 2761 CTGGCCCCCAAAATGCTTAACCCAGGACCTTTGGAAATTTACTCATCCCAATGATAAT 2820
Db      |||||
QY 2821 TCCAAATGCTGTATCCCAAGGTTAGGGTGTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
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QY 2821 TCCAAATGCTGTATCCCAAGGTTAGGGTGTGAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
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QY 2881 CTCACAGGCTTCCCTAACCCACCTCTCTCTCTTGGCCAGCTGGTCCCCCACTTCCA 2940
Db      |||||
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Db      |||||
QY 2941 CTCCTCTCTACTCTCTTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
Db      |||||
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Db      |||||
QY 3001 CCCAACTTTCCCTTACCCCAACTTTCCCAAGGCTTTTCCCAAGGCTTTTCCCAAGGCTTT 3060
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QY 3061 GCAGACACAGAGCAAAAGTGGGCTTTCCCAAGGCTTTTCCCAAGGCTTTTCCCAAGGCTTT 3120
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QY 3121 ATATCTGTGCTTTGGGAATCTCACACAGAACTCAGAGGACACCCCTGCTGAGCTAAGG 3180
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QY 3121 ATATCTGTGCTTTGGGAATCTCACACAGAACTCAGAGGACACCCCTGCTGAGCTAAGG 3180
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RESULT 8
US-09-895-793-110
; Sequence 110, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-110

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGGAAACGAGCTGTGACGCGCTGCGGTGAGAGCGCGCGCTCGGCGAGAGTCTGA 60
Db      |||||
QY 61 GTGATGAGAGCTGTGACGCGCTGCGGTGAGAGCGCGCGCTCGGCGAGAGTCTGA 120
Db      |||||
QY 61 GTGATGAGAGCTGTGACGCGCTGCGGTGAGAGCGCGCGCTCGGCGAGAGTCTGA 120
Db      |||||
QY 121 AAGCTGGACCGGCAACCAAGGCTGGCAGAAATGGGCGCTTCTAGGAGTCT 180
Db      |||||
QY 121 AAGCTGGACCGGCAACCAAGGCTGGCAGAAATGGGCGCTTCTAGGAGTCT 180
Db      |||||
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QY 181 GGGCGCAGCAGGAGGAGGCGCGCTTCTGAGCAGAGCCGAGAGTCTG 240
Db      |||||
QY 241 GAGTGCCTGAACGCGCGCTGAGCGCTTACCGCGCTGCGCGCTGCGCGCTG 300
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QY 241 GAGTGCCTGAACGCGCGCTGAGCGCTTACCGCGCTGCGCGCTGCGCGCTG 300
Db      |||||
QY 301 GGTGAGCGCGCTGCTGCGCGCACCGGAAAGCCAGCTCTTGTGCTCAACCTG 360
Db      |||||
QY 301 GGTGAGCGCGCTGCTGCGCGCACCGGAAAGCCAGCTCTTGTGCTCAACCTG 360
Db      |||||
QY 361 TGGCTGAGAGTGTGTTTGGCGCAGGAGTCACTATGTGCGCGCTTGTGCTGGA 420
Db      |||||
QY 361 TGGCTGAGAGTGTGTTTGGCGCAGGAGTCACTATGTGCGCGCTTGTGCTGGA 420
Db      |||||
QY 421 GGGGTAGAGAGAGTTCATGACCATGTGCTGCGCATTTGGTCCAGTGGGCTG 480
Db      |||||
QY 421 GGGGTAGAGAGAGTTCATGACCATGTGCTGCGCATTTGGTCCAGTGGGCTG 480
Db      |||||
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Db      |||||
QY 481 CTGTGCTCCCGCTCCTAGGCTCAGCAGTACCTGCGGTGAGCGCTATGCGCGCG 540
Db      |||||
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Db      |||||
QY 541 GCGCTTATCTGGGCACTGTCTTGGGCACTCTGCTGAGCGCTTCTTCTATCC 600
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Db      |||||
QY 601 GCGCTGCTAGCAGGCTGTGCTGCGGATCCCGGATCCCGGATCCCGGATCCCG 660
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Db      |||||
QY 661 CCTGGGCTGGGCTGTGCTGAGTCTTCTGCGCAGGTGTGCTTCACTCCACTGG 720
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QY 721 GCTCTGTGACCTTCTTCCGGGACCCGAGCCACTGTGCGCAGGCTTCTGTAT 780
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QY 781 CATGATCAGTCTTGGGCGCTGCGTACCTCCTGCTGCCATTTGACTGGGACACC 840
Db      |||||
QY 781 CATGATCAGTCTTGGGCGCTGCGTACCTCCTGCTGCCATTTGACTGGGACACC 840
Db      |||||

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Qy	841	TG	CCCTTG	CCCCCTT	ACCTAC	CTGGGA	CC	AGGAG	AGTG	CCCTCTTTGG	CTGTGCTT	ACCCCTCAT	900
Db	841	TG	CCCTTG	CCCCCTT	ACCTAC	CTGGGA	CC	AGGAG	AGTG	CCCTCTTTGG	CTGTGCTT	ACCCCTCAT	900
Qy	901	CTT	CTC	ACCTG	CGGTAG	CAGCACA	CA	CTGCTGGT	GGCTGAG	AGAGCAGCGCT	GGGGCCCCAC	960	
Db	901	CTT	CTC	ACCTG	CGGTAG	CAGCACA	CA	CTGCTGGT	GGCTGAG	AGAGCAGCGCT	GGGGCCCCAC	960	
Qy	961	CG	AGC	CAG	AGAGGGCTTG	TCGGGCCCTT	CTCTTGTG	CGCCCCCA	CTGCTGTG	CTCCATG	CCCGGC	1020	
Db	961	CG	AGC	CAG	AGAGGGCTTG	TCGGGCCCTT	CTCTTGTG	CGCCCCCA	CTGCTGTG	CTCCATG	CCCGGC	1020	
Qy	1021	CCG	CTTG	GGCTTT	TCGGAACT	TCGGGAGCCCTG	CTTCCC	CGGCTG	CAACAGCT	TGTGTCG		1080	
Db	1021	CCG	CTTG	GGCTTT	TCGGAACT	TCGGGAGCCCTG	CTTCCC	CGGCTG	CAACAGCT	TGTGTCG		1080	
Qy	1081	CAT	CC	CCG	CACCTT	CGCGCGGCTT	CTGGTGGCTG	AGCTG	AGCTG	AGTGA	TGGC	1140	
Db	1081	CAT	CC	CCG	CACCTT	CGCGCGGCTT	CTGGTGGCTG	AGCTG	AGCTG	AGTGA	TGGC	1140	
Qy	1141	GAC	CTT	CA	CGCTGTTT	TACACGGA	TTTCGTGGG	CGAGGGCTG	TACAGGG	CGTGC	CCAG	1200	
Db	1141	GAC	CTT	CA	CGCTGTTT	TACACGGA	TTTCGTGGG	CGAGGGCTG	TACAGGG	CGTGC	CCAG	1200	
Qy	1201	AG	CTG	AGC	CGGG	CACCGAGG	CCCCCGG	GACACAT	TATGATGA	AGGCTTCG	GA	1260	
Db	1201	AG	CTG	AGC	CGGG	CACCGAGG	CCCCCGG	GACACAT	TATGATGA	AGGCTTCG	GA	1260	
Qy	1261	GGG	GTCTT	CTG	CAGTG	CGCCATCT	CCCTGGTCTT	CTCTCTG	TGTCAT	TGAC	CCGGCTGGT	1320	
Db	1261	GGG	GTCTT	CTG	CAGTG	CGCCATCT	CCCTGGTCTT	CTCTCTG	TGTCAT	TGAC	CCGGCTGGT	1320	
Qy	1321	GC	AGCAT	TCGG	CAC	TCGAGCAG	CTATTTTGG	CCAGTG	TGGCAGCTTT	CCCTGTG	GGCTGC	1380	
Db	1321	GC	AGCAT	TCGG	CAC	TCGAGCAG	CTATTTTGG	CCAGTG	TGGCAGCTTT	CCCTGTG	GGCTGC	1380	
Qy	1381	CG	GTG	CCACA	TGCTGT	CCCCAC	AGTG	TGGCGTGGT	GACAGCTTT	CAG	CGCCCTCAC	1440	
Db	1381	CG	GTG	CCACA	TGCTGT	CCCCAC	AGTG	TGGCGTGGT	GACAGCTTT	CAG	CGCCCTCAC	1440	
Qy	1441	GTT	CA	CCCTT	CTC	CAGCCCTG	CAGATCCCTG	CCCTAC	ACACTGG	CCCTCTT	AC	1500	
Db	1441	GTT	CA	CCCTT	CTC	CAGCCCTG	CAGATCCCTG	CCCTAC	ACACTGG	CCCTCTT	AC	1500	
Qy	1501	GA	AGC	AGT	GTTC	CTGCC	AAATAC	CGAGGGG	CACCTGG	AGTGCT	TAG	1560	
Db	1501	GA	AGC	AGT	GTTC	CTGCC	AAATAC	CGAGGGG	CACCTGG	AGTGCT	TAG	1560	
Qy	1561	CCT	GAT	GA	CCAG	CTTC	CTG	CCAGCCCT	TAAGCCT	TCG	AGCT	1620	
Db	1561	CCT	GAT	GA	CCAG	CTTC	CTG	CCAGCCCT	TAAGCCT	TCG	AGCT	1620	
Qy	1621	GGG	TG	CTGG	AGG	CAGTGG	CTGCTCC	ACCTC	ACCCG	CGCTCTG	CCGGG	1680	
Db	1621	GGG	TG	CTGG	AGG	CAGTGG	CTGCTCC	ACCTC	ACCCG	CGCTCTG	CCGGG	1680	
Qy	1681	TG	ATG	TCT	CCGT	ACG	TGTGGT	GGGTG	AGCCCC	ACCGAG	SCCAGG	1740	
Db	1681	TG	ATG	TCT	CCGT	ACG	TGTGGT	GGGTG	AGCCCC	ACCGAG	SCCAGG	1740	
Qy	1741	GGG	CAT	CTG	CTG	GA	CCCTC	TCG	AGCTT	CCCTT	CC	1800	
Db	1741	GGG	CAT	CTG	CTG	GA	CCCTC	TCG	AGCTT	CCCTT	CC	1800	
Qy	1801	AT	CCCTG	TTT	TATGG	GGCTCC	ATTGT	TC	AGCTC	AGG	CGCTAT	1860	
Db	1801	AT	CCCTG	TTT	TATGG	GGCTCC	ATTGT	TC	AGCTC	AGG	CGCTAT	1860	
Qy	1861	TG	CCG	CAG	GGCCT	TGGTCT	GGTCG	CACTT	ACTTTT	GCT	TACA	1920	
Db	1861	TG	CCG	CAG	GGCCT	TGGTCT	GGTCG	CACTT	ACTTTT	GCT	TACA	1920	
Qy	1921	CG	ACTT	GG	CCAAA	TACT	CAG	CGT	TAG	AAAA	CTTCC	1980	

[illegible]

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Db      3001  CCCAACTTTCCCTACCCCAACTTTTCCCAACCAAGCTCCACAAACCTCTGTTGGAGCTACT 3060
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Db      3061  GCAGGACGAGCAAGCAAGTGCAGTTCCTCCCAAGCTTTTGTCCATCTCAGCCCCCAGAGT 3120
Qy      3121  ATATCTGTGCTTTGGGGAATCTCACAGAACTCAGAGACACCCCTGCCTGAGCTAAGG 3180
Db      3121  ATATCTGTGCTTTGGGGAATCTCACAGAACTCAGAGACACCCCTGCCTGAGCTAAGG 3180
Qy      3181  GAGTCTTATCTCTCAGGGGGGTTTAAGTGCAGTTCGATTAATGTCTCTTATTATT 3240
Db      3181  GAGTCTTATCTCTCAGGGGGGTTTAAGTGCAGTTCGATTAATGTCTCTTATTATT 3240
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Db      3241  TAGCGGGGTGAATATTTTATATCTGTAAGTGAGCAATCAGAGTATTAATGTTATGTTGACA 3300
Qy      3301  AAATTAAGGCTTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
Db      3301  AAATTAAGGCTTTCTTATATGTTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360
Qy      3361  AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3410
Db      3361  AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3410

RESULT 9
US-09-895-814-110
; Sequence 110, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-110

Query Match      100.0%; Score 3410; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1  GGGAAACCAAGCTGTCACGGGCTGGCTCCGGGTGAACAGCCGCGCGCTCGGCGCAGGATCTGA 60
Qy      61  GTGATGAGACGTGTCCCACTCCAGTGTCCCACACAGCAGCAGGTGTTGAGCATTGGGCTGAG 120
Db      61  GTGATGAGACGTGTCCCACTCCAGTGTCCCACACAGCAGCAGGTGTTGAGCATTGGGCTGAG 120
Qy      121  AAGTGGACCGGCAACCAAGGGCTGGCAGAAATGGGGCCCTGGCTGATTCCTAGGCAATT 180
Db      121  AAGTGGACCGGCAACCAAGGGCTGGCAGAAATGGGGCCCTGGCTGATTCCTAGGCAATT 180
Qy      181  GGCGGACGACGAGGAGAGGCGCCAGCTTCTGGAGCAGAGCCGAGAGCAGAGTTCG 240
Db      181  GGCGGACGACGAGGAGAGGCGCCAGCTTCTGGAGCAGAGCCGAGAGCAGAGTTCG 240
Qy      241  GAGTGCCTGAAACGGCCCTGAGACCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300
Db      241  GAGTGCCTGAAACGGCCCTGAGACCTACCGCCCTGGCCCACTATGTTCCAGAGGCTGTG 300
Qy      301  GGTGAGCGGCTGTGCGGCAACCGAAAGCCAGCTCTTGTGTGTCACCTGCTAAACCTT 360
Db      301  GGTGAGCGGCTGTGCGGCAACCGAAAGCCAGCTCTTGTGTGTCACCTGCTAAACCTT 360
Qy      361  TGGCTGAGAGTGTGTTGGCGCAGGCAATCACCTATGTGCGGCTCTGCTGCTGGAAGT 420
Db      361  TGGCTGAGAGTGTGTTGGCGCAGGCAATCACCTATGTGCGGCTCTGCTGCTGGAAGT 420
Qy      421  GGGGATAGAGGAGAAATTCATGACATGCTGGGCAATGCTCAGTGTCTGGGCTGCT 480
Db      421  GGGGATAGAGGAGAAATTCATGACATGCTGGGCAATGCTCAGTGTCTGGGCTGCT 480
Qy      481  CTGTGTCCTGCTCTAGGCTCAGCAGTGAACCTATGCGGTGGAGCTATGAGCGCGCGCG 540
Db      481  CTGTGTCCTGCTCTAGGCTCAGCAGTGAACCTATGCGGTGGAGCTATGAGCGCGCGCG 540
Qy      541  GCCCTTCATCTGGGCACTGTCTTGGGCACTCTGCTGAGCCTCTTCTCATCCCAAGGCG 600
Db      541  GCCCTTCATCTGGGCACTGTCTTGGGCACTCTGCTGAGCCTCTTCTCATCCCAAGGCG 600
Qy      601  CGGCTGCTAGCAGGGCTGTGTGCGCGGATCCAGAGCCCTCGAGCTGGGCTGCTCAT 660
Db      601  CGGCTGCTAGCAGGGCTGTGTGCGCGGATCCAGAGCCCTCGAGCTGGGCTGCTCAT 660
Qy      661  CCTGGGCGTGGGCTGTGTGACCTTCTGTGGCAGGCTGTCTTCTCATCTGAGAGGCT 720
Db      661  CCTGGGCGTGGGCTGTGTGACCTTCTGTGGCAGGCTGTCTTCTCATCTGAGAGGCT 720
Qy      721  GCTCTGTGACCTCTTCCGGGACCGGACCTGCTGCGCAGGCTTCTGCTATGCTT 780
Db      721  GCTCTGTGACCTCTTCCGGGACCGGACCTGCTGCGCAGGCTTCTGCTATGCTT 780
Qy      781  CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db      781  CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy      841  TGCCTGCGCCCTTACTTGGGCAACCGAGGAGTGTCTTGGCTGCTGCTGCTGCTGCT 900
Db      841  TGCCTGCGCCCTTACTTGGGCAACCGAGGAGTGTCTTGGCTGCTGCTGCTGCTGCT 900
Qy      901  CTTCTCAGCTGCTAGCAGCCACACTGTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAG 960
Db      901  CTTCTCAGCTGCTAGCAGCCACACTGTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAG 960
Qy      961  CGAGCCAGCAGAGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGCTGCTGCTGCTGCT 1020
Db      961  CGAGCCAGCAGAGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGCTGCTGCTGCTGCT 1020
Qy      1021  CCGCTTGGCTTTCGGAACTGCGGCGCTGCTTCCCGGCTGCAACAGCTGTGCTGCTG 1080
Db      1021  CCGCTTGGCTTTCGGAACTGCGGCGCTGCTTCCCGGCTGCAACAGCTGTGCTGCTG 1080
Qy      1081  CATCCCGGACCTGCGGCGGCTTCTGCTGCTGAGCTGTGAGCTGAGTGGCACTCAT 1140
Db      1081  CATCCCGGACCTGCGGCGGCTTCTGCTGCTGAGCTGTGAGCTGAGTGGCACTCAT 1140

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1141 GACCTTCACGCTGTTTACACGATTTTCGTGGCGAGGGCTGTACACAGGGCGTGCACG 1200
1141 GACCTTCACGCTGTTTACACGATTTTCGTGGCGAGGGCTGTACACAGGGCGTGCACG 1200
1201 AGCTGAGCGGGCACCGAGGCCGAGACACTATGATGAAGCGTTCGGATGGGAGCCT 1260
1201 AGCTGAGCGGGCACCGAGGCCGAGACACTATGATGAAGCGTTCGGATGGGAGCCT 1260
1261 GGGGCTGTTCTGACAGTCGGCATCTCCCTGGTCTTCTCTCTGGTTCATGGACCGGCTGGT 1320
1261 GGGGCTGTTCTGACAGTCGGCATCTCCCTGGTCTTCTCTCTGGTTCATGGACCGGCTGGT 1320
1321 GCACGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGC 1380
1381 CGGTGCCACATGCTGTCCTCCACAGTGTGGCGTGGTGAAGCTTTCCAGCGGCCCTCACCGG 1440
1441 GTTCAACCTTCTCAGCCCTGCAATCCTGCCCTCACACTGGCCTCCCTCTACCAACCGGGA 1500
1501 GAAGCAGGTGTTCTTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAG 1560
1501 GAAGCAGGTGTTCTTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAG 1560
1561 CCTGATACCAAGCTTCTGCGAGGCCCTTAAGCTGGAGCTCCCTTCCCTAATGACACAGT 1620
1561 CCTGATACCAAGCTTCTGCGAGGCCCTTAAGCTGGAGCTCCCTTCCCTAATGACACAGT 1620
1621 GGGTCTGGAGGAGTGGCTGCTCCACCTCACACCTGCGGCTCTGCGGGGCTCTGCGCTG 1680
1621 GGGTCTGGAGGAGTGGCTGCTCCACCTCACACCTGCGGCTCTGCGGGGCTCTGCGCTG 1680
1681 TGATGCTCTCCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGCGGGCGG 1740
1681 TGATGCTCTCCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGCGGGCGG 1740
1741 GGGCATCTGCTGACCTCGCCATCTCTGGATGAGTGCCTCTCTGCTGCCACAGGTGGCCCC 1800
1741 GGGCATCTGCTGACCTCGCCATCTCTGGATGAGTGCCTCTCTGCTGCCACAGGTGGCCCC 1800
1801 ATCCCTGTTATGGGCTCCTATGTTCCAGCTCAGCCAGTCTGCTCATATATGTTGTC 1860
1801 ATCCCTGTTATGGGCTCCTATGTTCCAGCTCAGCCAGTCTGCTCATATATGTTGTC 1860
1861 TGCGCAGGCTGGTCTGGTGGCTATTTGCTACACAGGTAGTATTTGACAAGAG 1920
1861 TGCGCAGGCTGGTCTGGTGGCTATTTGCTACACAGGTAGTATTTGACAAGAG 1920
1921 CGACTTGGCCAAATATCTCAGCGTAGAAATTTCCAGCACATTTGGGGTGGAGGGCTGCCT 1980
1921 CGACTTGGCCAAATATCTCAGCGTAGAAATTTCCAGCACATTTGGGGTGGAGGGCTGCCT 1980
1981 CACTGGGTCCAGCTCCCGCTCTGTTAGGCCCATGGGGCTGCGGGCTGGCGGCCAGT 2040
1981 CACTGGGTCCAGCTCCCGCTCTGTTAGGCCCATGGGGCTGCGGGCTGGCGGCCAGT 2040
2041 TTCTGTTGCTGCAAGTAATGTTGGCTCTGCTGCTGCCACCTGCTGCTGAGGTGGTA 2100
2041 TTCTGTTGCTGCAAGTAATGTTGGCTCTGCTGCTGCCACCTGCTGCTGAGGTGGTA 2100
2101 GCTGACAGCTGGGGGCTGGGGCTGCTCTCTCTCTCTCCAGTCTCTAGGGCTGGCTG 2160
2101 GCTGACAGCTGGGGGCTGGGGCTGCTCTCTCTCTCTCTCTCTCTCTAGGGCTGGCTG 2160
2161 ACTGAGGCTTCCAGGGGCTTTCAGTCTGGACTTATACAGGAGGCGCAGAGGGCTCC 2220
2161 ACTGAGGCTTCCAGGGGCTTTCAGTCTGGACTTATACAGGAGGCGCAGAGGGCTCC 2220

QY 2221 ATGCACCTGGAATCGGGGACTCTGCAGGTGGATTAACCCAGGCTCAGGGTTAAACAGCTAGC 2280
Db 2221 ATGCACCTGGAATCGGGGACTCTGCAGGTGGATTAACCCAGGCTCAGGGTTAAACAGCTAGC 2280
QY 2281 CTCTAGTTGAGACACACCTAGAGAAGGGTTTTTGGGAGCTGAATAAACTCAGTCACCTG 2340
Db 2281 CTCTAGTTGAGACACACCTAGAGAAGGGTTTTTGGGAGCTGAATAAACTCAGTCACCTG 2340
QY 2341 GTTTCCCATCTCTAAGCCCTTAACCTGACGTTCTGTTTAAATGAGTCTTTCGATGGGAG 2400
Db 2341 GTTTCCCATCTCTAAGCCCTTAACCTGACGTTCTGTTTAAATGAGTCTTTCGATGGGAG 2400
QY 2401 TTTCTAGGATGAACAACCTCTCATGGGATTTGAACATATGACTTATTTGAGGGGAAGA 2460
Db 2401 TTTCTAGGATGAACAACCTCTCATGGGATTTGAACATATGACTTATTTGAGGGGAAGA 2460
QY 2461 GTCTGAGGGGCAACACACAAGAACCAAGTCCCTCAGCCACACAGCACTGCTTTTGTCT 2520
Db 2461 GTCTGAGGGGCAACACACAAGAACCAAGTCCCTCAGCCACACAGCACTGCTTTTGTCT 2520
QY 2521 GATCCACCCCTCTTACCTTTTATCAGGATGTGGCTGTGGTCTCTCTCTGTCATCA 2580
Db 2521 GATCCACCCCTCTTACCTTTTATCAGGATGTGGCTGTGGTCTCTCTCTGTCATCA 2580
QY 2581 CAGAGACACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTAGAAGGGAATCCAT 2640
Db 2581 CAGAGACACAGGCAATTTAAATATTTAACTTATTTTAAACAAAGTAGAAGGGAATCCAT 2640
QY 2641 TGCTAGCTTTTCTGTGTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCAAACATCA 2700
Db 2641 TGCTAGCTTTTCTGTGTGGTGTCTAATATTTGGGTAGGGTGGGGATCCCCAAACATCA 2700
QY 2701 GGTCCCTGAGATAGTGGTCTATTTGGGCTGATCATTCGCCAGAACTTCTCTCTCTGGGT 2760
Db 2701 GGTCCCTGAGATAGTGGTCTATTTGGGCTGATCATTCGCCAGAACTTCTCTCTCTGGGT 2760
QY 2761 CTGSCCCCCCAAAATGCTTAACCCAGGACCTTTGAGAAATTTCTACTCATCCCAATGATAT 2820
Db 2761 CTGSCCCCCCAAAATGCTTAACCCAGGACCTTTGAGAAATTTCTACTCATCCCAATGATAT 2820
QY 2821 TCCAAATGCTTTTACCAGGTTAGGGTGTGTAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
Db 2821 TCCAAATGCTTTTACCAGGTTAGGGTGTGTAAGGAAGGTAGAGGGTGGGGCTTCAGGT 2880
QY 2881 CTCAAAGGCTTCCCTAACACCCCTCTCTCTTGGCCAGCCCTGTTCCCCCACTTCCA 2940
Db 2881 CTCAAAGGCTTCCCTAACACCCCTCTCTCTTGGCCAGCCCTGTTCCCCCACTTCCA 2940
QY 2941 CTCCCTCTACTCTCTTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
Db 2941 CTCCCTCTACTCTCTTAGGACTGGGCTGATGAAGGCACTGCCCAAAATTTCCCTTACC 3000
QY 3001 CCCAAATTTTCCCTTACCCCAACTTTCCCAACAGCTTCCAAACCTGTTTGGAGCTACT 3060
Db 3001 CCCAAATTTTCCCTTACCCCAACTTTCCCAACAGCTTCCAAACCTGTTTGGAGCTACT 3060
QY 3061 GCAGGACCAAGCACAAAGTGGGTTTTCCCAAGCCTTTGTCCATCTCAGCCCCCAGAGT 3120
Db 3061 GCAGGACCAAGCACAAAGTGGGTTTTCCCAAGCCTTTGTCCATCTCAGCCCCCAGAGT 3120
QY 3121 ATATCTGTGCTTGGGAAATCTCACACAGAACTCAGGAGCACCCCTGCTGAGCTAAGG 3180
Db 3121 ATATCTGTGCTTGGGAAATCTCACACAGAACTCAGGAGCACCCCTGCTGAGCTAAGG 3180
QY 3181 GAGTCTTATCTCTCAGGGGGGTTTTAAGTGGCTTTTGAATATATGTCGTTTATTTATT 3240
Db 3181 GAGTCTTATCTCTCAGGGGGGTTTTAAGTGGCTTTTGAATATATGTCGTTTATTTATT 3240
QY 3241 TAGGGGGTGAATATTTTATCTGTAAGTGCATCAGAGTAAATGTTTATGTCGTCACA 3300
Db 3241 TAGGGGGTGAATATTTTATCTGTAAGTGCATCAGAGTAAATGTTTATGTCGTCACA 3300
QY 3301 AAATTAAGGCTTCTTATATGTTTAAAAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3360

[illegible]

Qy	1381	CGGTGCCACATGCTGTGTCCTCCACACAGTGTGGCGTGGTGCACAGCTTCACGCGCCCTCACCGG	1440
Db	1381	CGGTGCCACATGCTGTGTCCTCCACACAGTGTGGCGTGGTGCACAGCTTCACGCGCCCTCACCGG	1440
Qy	1441	GTTTCACTTCTCAGCCCTGCAGATTCCTGCGCCTACACACTGCGCCTCCCTCTACACACCGGGA	1500
Db	1441	GTTTCACTTCTCAGCCCTGCAGATTCCTGCGCCTACACACTGCGCCTCCCTCTACACACCGGGA	1500
Qy	1501	GAAGCAGGTGTTCTTGCCCAATAACGAGGGGACACTGAGAGGTGCTAGCAGTGAGGACAG	1560
Db	1501	GAAGCAGGTGTTCTTGCCCAATAACGAGGGGACACTGAGAGGTGCTAGCAGTGAGGACAG	1560
Qy	1561	CCTGATGACACAGCTTCTGTCGCCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGGACACGT	1620
Db	1561	CCTGATGACACAGCTTCTGTCGCCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGGACACGT	1620
Qy	1621	GGGTGCTGGAGGAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCGCTCTGCGCTG	1680
Db	1621	GGGTGCTGGAGGAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCGCTCTGCGCTG	1680
Qy	1681	TGATGCTCTCCGTACGTTGTGTGGTGGGTGAGCCACCGAGGCCACAGGGTGGTTCGGGSCCG	1740
Db	1681	TGATGCTCTCCGTACGTTGTGTGGTGGGTGAGCCACCGAGGGTGGTTCGGGSCCG	1740
Qy	1741	GGGCACTGCGCTGCAACCTCGGCATCTCGATAGTGGCTTCTGCTGTGTCACAGGTAGTATGGTGTC	1800
Db	1741	GGGCACTGCGCTGCAACCTCGGCATCTCGATAGTGGCTTCTGCTGTGTCACAGGTAGTATGGTGTC	1800
Qy	1801	ATCCCTGTTTATGGGCTCCATTTGTCAGCTCAGCCAGCTCTGCTCACTGCTATATGGTGTC	1860
Db	1801	ATCCCTGTTTATGGGCTCCATTTGTCAGCTCAGCCAGCTCTGCTCACTGCTATATGGTGTC	1860
Qy	1861	TGCCGCAAGGCTGGGTCTGGTCGCAATTAATTTGCTTACACAGGTAGTATTTGACAAGAG	1920
Db	1861	TGCCGCAAGGCTGGGTCTGGTCGCAATTAATTTGCTTACACAGGTAGTATTTGACAAGAG	1920
Qy	1921	CGACTTGGCCAAATACTCAGCGTAGAAAACTTCACAGCACTTGGGGTGGAGGGCTGCGCT	1980
Db	1921	CGACTTGGCCAAATACTCAGCGTAGAAAACTTCACAGCACTTGGGGTGGAGGGCTGCGCT	1980
Qy	1981	CACGTGGTCCAGCTCCCGCTCTGTTTACGCCCATGGGGCTGCCGGCTGGCGCGCAGT	2040
Db	1981	CACGTGGTCCAGCTCCCGCTCTGTTTACGCCCATGGGGCTGCCGGCTGGCGCGCAGT	2040
Qy	2041	TTCTGTTGCTGCCAAAGTAATGTGGCTCTCTGCTGCCACCTGTGCTGTGCTGAGGTGCGTA	2100
Db	2041	TTCTGTTGCTGCCAAAGTAATGTGGCTCTCTGCTGCCACCTGTGCTGTGCTGAGGTGCGTA	2100
Qy	2101	GCTGCA CAGCTGGGGCTGGGGGTCCCTCTCTCTCTCCCAAGTCTCTAGGGCTGCGTG	2160
Db	2101	GCTGCA CAGCTGGGGCTGGGGGTCCCTCTCTCTCTCCCAAGTCTCTAGGGCTGCGTG	2160
Qy	2161	ACTGGAGGCCTTCCAGGGGGTTTCACTCTGGACTTATACAGGGAGCCAGAGGGCTCC	2220
Db	2161	ACTGGAGGCCTTCCAGGGGGTTTCACTCTGGACTTATACAGGGAGCCAGAGGGCTCC	2220
Qy	2221	ATGCACCTGGAATGGGGGACCTCTGSCAGGTGGATTACCCAGGCTCAGGGTTAAACAGCTAGC	2280
Db	2221	ATGCACCTGGAATGGGGGACCTCTGSCAGGTGGATTACCCAGGCTCAGGGTTAAACAGCTAGC	2280
Qy	2281	CTCCTAGTTGAGACACACCTAGAGAGGGTTTTTTGGGAGCTGAAATAAATCAGTCACTG	2340
Db	2281	CTCCTAGTTGAGACACACCTAGAGAGGGTTTTTTGGGAGCTGAAATAAATCAGTCACTG	2340
Qy	2341	GTTTCCCATCTCTAAGGCCCTTAACCTGACAGCTTCGTTTAACTGTAGCTCTTGCAATGGGAG	2400
Db	2341	GTTTCCCATCTCTAAGGCCCTTAACCTGACAGCTTCGTTTAACTGTAGCTCTTGCAATGGGAG	2400
Qy	2401	TTTTCTAGATGAAACACTCTCTCCATGGATTGTGAACATATGACTTATTTCTGAGGGGAGA	2460
Db	2401	TTTTCTAGATGAAACACTCTCTCCATGGATTGTGAACATATGACTTATTTCTGAGGGGAGA	2460
Qy	2461	GTCTGAGGGGCAACACACAAGAACCAAGSTCCCTCAGCGCCACACAGACTGTCTCTTTTGCT	2520

[illegible]

RESULT 11
US-10-010-940-110
; Sequence 110, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise

:	APPLICANT:	Jiang Yuqui
:	APPLICANT:	Reed, Steven G.
:	APPLICANT:	Kalos, Michael
:	APPLICANT:	Fanger, Gary
:	APPLICANT:	Retter, Mark
:	APPLICANT:	Solk, John
:	APPLICANT:	Day, Craig
:	TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THERAPY AND
:	TITLE OF INVENTION:	DIAGNOSIS OF PROSTATE CANCER
:	FILE REFERENCE:	210121.427D3
:	CURRENT APPLICATION NUMBER:	US/10/010,940
:	CURRENT FILING DATE:	2001-12-05
:	NUMBER OF SEQ ID NOS:	575
:	SOFTWARE:	FastSeq for Windows Version 3.0
:	SEQ ID NO 110	
:	LENGTH:	3410
:	TYPE:	DNA
:	ORGANISM:	Homo sapien
:	US-10-010-940-110	
	Query Match	100.0%; Score 3410; DB 14; Length 3410;
	Best Local Similarity	100.0%; Pred No. 0;
	Matches 3410; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
Qy	1	GGGAACCAAGCTGACAGCGCTGGCTCGGGTGACAGCCGC CGCGCTCGGCAGGATCTGA 60
Db	1	GGGAACCAAGCTGACAGCGCTGGCTCGGGTGACAGCCGC CGCGCTCGGCAGGATCTGA 60
Qy	61	GTGATGAGACGTGTCCCACHTAGGTGCCCCACAGCAGCAGTGT TGAGCATGGGCTGAG 120
Db	61	GTGATGAGACGTGTCCCACHTAGGTGCCCCACAGCAGCAGTGT TGAGCATGGGCTGAG 120
Qy	121	AAGCTTGACCGGCACCAGAAGGGCTGGCAGAAATGGGCGCTT GGCTGATTCTTAGSCAGTT 180
Db	121	AAGCTTGACCGGCACCAGAAGGGCTGGCAGAAATGGGCGCTT GGCTGATTCTTAGSCAGTT 180
Qy	181	GGCGCAGCAGAGGAGAGGCCCGCAGCTTC TTGGAGCAGAGCCGAGACGAAGCAGTTCTG 240
Db	181	GGCGCAGCAGAGGAGAGGCCCGCAGCTTC TTGGAGCAGAGCCGAGACGAAGCAGTTCTG 240
Qy	241	GAGTGCCGTGAACGGCCCCCTGAGCCCTACCGCCTGGCCCA CTATGTCAGAGCGCTGTG 300
Db	241	GAGTGCCGTGAACGGCCCCCTGAGCCCTACCGCCTGGCCCA CTATGTCAGAGCGCTGTG 300
Qy	301	GGTGAGCGCCTGCTGCGGCACCGAAGCCAGCTTTGCTGTGT CAACCTGCTAACCTT 360
Db	301	GGTGAGCGCCTGCTGCGGCACCGAAGCCAGCTTTGCTGTGT CAACCTGCTAACCTT 360
Qy	361	TGGCCTGGAGGTGTGTTTTGGCCGAGGCATCACCTATGTG CCGCCTCTGCTGCTGGAAGT 420
Db	361	TGGCCTGGAGGTGTGTTTTGGCCGAGGCATCACCTATGTG CCGCCTCTGCTGCTGGAAGT 420
Qy	421	GGGGGTAGAGAGAAGTTTCATGACATGGTCTGGGCATTGGT CCAGTGTGGGCGCTGGT 480
Db	421	GGGGGTAGAGAGAAGTTTCATGACATGGTCTGGGCATTGGT CCAGTGTGGGCGCTGGT 480
Qy	481	CTGTGTCCTCCGCTCTAGGCTCAGCAGTGAACAATGGCGT GGAGCGCTATGSCCGCCGCG 540
Db	481	CTGTGTCCCCGCTCTTAGGCTCAGCAGTGAACAATGGCGT GGAGCGCTATGSCCGCCGCG 540
Qy	541	GCCCTTCATCTGGGCATGTCTTTGGGCATCCTGCTGAGCC TCCTTTCTCATCCCAAGGC 600
Db	541	GCCCTTCATCTGGGCATGTCTTTGGGCATCCTGCTGAGCC TCCTTTCTCATCCCAAGGC 600
Qy	601	CGGCTGGCTAGCAGGGCTGTGTGCGCGGATCCAGGCCCTT GAGAGTGGCACTGTCTCAT 660
Db	601	CGGCTGGCTAGCAGGGCTGTGTGCGCGGATCCAGGCCCTT GAGAGTGGCACTGTCTCAT 660
Qy	661	CCTGGGCGTGGGCTGTGGACTTCTGTGGCCAGGTGTCTACT CCACCTGGAGGCCCT 720
Db	661	CCTGGGCGTGGGCTGTGGACTTCTGTGGCCAGGTGTCTACT CCACCTGGAGGCCCT 720
Qy	721	GCTCTCTGACCTCTTCGGGACCCGGACCACTGTGCCAGGC CTACTCTGTCTATGCCCTT 780

; ORGANISM: Homo sapiens									
US-10-144-678A-110									
Query Match		100.0%; Score 3410; DB 16; Length 3410;							
Best Local Similarity		100.0%; Pred. No. 0;							
Matches 3410; Conservative		0; Mismatches		0; Indels		0; Gaps		0;	
Qy	1	GGGAACCAAGCTGCAAGCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA	60						
Db	1	GGGAACCAAGCTGCAAGCGCTGGCTCCGGGTGACAGCGCGCGCTCGGCCAGGATCTGA	60						
Qy	61	GTGATGACAGCTGTCCCACTAGGTGCCCAACAGCAGAGGTGTGAGCATGGGCTGAG	120						
Db	61	GTGATGACAGCTGTCCCACTAGGTGCCCAACAGCAGAGGTGTGAGCATGGGCTGAG	120						
Qy	121	AAGCTGGACCGCACAAAGGCTGGCAGAAATGGCGCCTGGCTGATTCTTAGGCAGTT	180						
Db	121	AAGCTGGACCGCACAAAGGCTGGCAGAAATGGCGCCTGGCTGATTCTTAGGCAGTT	180						
Qy	181	GGCGCAGCAGGAGGAGGCGCAGCTTCTGGAGCAGAGCCGAGACGAAAGCAGTTCTG	240						
Db	181	GGCGCAGCAGGAGGAGGCGCAGCTTCTGGAGCAGAGCCGAGACGAAAGCAGTTCTG	240						
Qy	241	GAGTCCCTGAACGGCCCCCTGAGCCCTAACCGCCTGGCCCACTATGGTCCAGAGCTGTG	300						
Db	241	GAGTCCCTGAACGGCCCCCTGAGCCCTAACCGCCTGGCCCACTATGGTCCAGAGCTGTG	300						
Qy	301	GGTGAGCGCCTGCTGCGGCACCGGAAAGCCAGCTCTTGCTGGTCAACCTGTAACCTT	360						
Db	301	GGTGAGCGCCTGCTGCGGCACCGGAAAGCCAGCTCTTGCTGGTCAACCTGTAACCTT	360						
Qy	361	TGGCCTGAGAGTGTGTTTGGCGCAGGCACTACCTATGTGCGCCTCTGCTGCTGGAAGT	420						
Db	361	TGGCCTGAGAGTGTGTTTGGCGCAGGCACTACCTATGTGCGCCTCTGCTGCTGGAAGT	420						
Qy	421	GGGGTAGAGAGATTCATGACCATGGTGTGGGCATTTGGTCAAGTGTGGGCTGGT	480						
Db	421	GGGGTAGAGAGATTCATGACCATGGTGTGGGCATTTGGTCAAGTGTGGGCTGGT	480						
Qy	481	CTGTCTCCGCTCCTAGGCTCAGCAGTACACCTGAGCGCTCTTCTCATCCCAAGGCG	540						
Db	481	CTGTCTCCGCTCCTAGGCTCAGCAGTACACCTGAGCGCTCTTCTCATCCCAAGGCG	540						
Qy	541	GCCCTTCATCTGGGCACTGCTCTGGGCACTCTGCTGAGCGCTCTTCTCATCCCAAGGCG	600						
Db	541	GCCCTTCATCTGGGCACTGCTCTGGGCACTCTGCTGAGCGCTCTTCTCATCCCAAGGCG	600						
Qy	601	CGGCTGGCTAGAGGGCTGTGTCGGGATCCAGGCCCTTGAGCTGGCACTGCTCAT	660						
Db	601	CGGCTGGCTAGAGGGCTGTGTCGGGATCCAGGCCCTTGAGCTGGCACTGCTCAT	660						
Qy	661	CCTGGGCTGGGGCTGTGGACTTCTGTGGCAGGTGCTTCACTCCACTGGAGGGCCT	720						
Db	661	CCTGGGCTGGGGCTGTGGACTTCTGTGGCAGGTGCTTCACTCCACTGGAGGGCCT	720						
Qy	721	GCTCTCTGACCTTTCCGGGACCCGGAACCTGTGCGCAGGCTACTCTGTCTATGCTT	780						
Db	721	GCTCTCTGACCTTTCCGGGACCCGGAACCTGTGCGCAGGCTACTCTGTCTATGCTT	780						
Qy	781	CATGATCATGCTTGGGGCTGTGGGCTACTCTGCTGCGCATTTGATGGGACACAG	840						
Db	781	CATGATCATGCTTGGGGCTGTGGGCTACTCTGCTGCGCATTTGATGGGACACAG	840						
Qy	841	TGCCCTGGCCCCCTTACCTGGGACCCAGAGAGTGGCTCTTTGGCCTGCTCACTCAT	900						
Db	841	TGCCCTGGCCCCCTTACCTGGGACCCAGAGAGTGGCTCTTTGGCCTGCTCACTCAT	900						
Qy	901	CTTCTCCTACCTGGTAGAGGACCACTGCTGTGGTGTGAGGAGGAGCGCTGGGCCCCAC	960						
Db	901	CTTCTCCTACCTGGTAGAGGACCACTGCTGTGGTGTGAGGAGGAGCGCTGGGCCCCAC	960						
Qy	961	CGAGCAGCAGAGGGCTGTGGGCCCCCTCTTGTGGCCCCCACTGCTGTCAATGCGGGC	1020						

Db	961	CGAGCAGCAGAGGGCTGTGGGCCCCCTCTTGTGGCCCCCACTGCTGTCAATGCGGGC	1020
Qy	1021	CCGCTTGGCTTTCCGGAACCTGGCGGCCCTCTCTTCCCGGCTGCAACAGCTGTGTGCGG	1080
Db	1021	CCGCTTGGCTTTCCGGAACCTGGCGGCCCTCTCTTCCCGGCTGCAACAGCTGTGTGCGG	1080
Qy	1081	CATCCCCGCAACCTGGCGGCCCTCTTCTGTGGCTGAGCTGTGAGCTGGAATGCACTCAT	1140
Db	1081	CATCCCCGCAACCTGGCGGCCCTCTTCTGTGGCTGAGCTGTGAGCTGGAATGCACTCAT	1140
Qy	1141	GACCTTCAAGCTGTTTACAGGATTTCTGGGCGAGGGGCTGTACAGGGGCTGCCAG	1200
Db	1141	GACCTTCAAGCTGTTTACAGGATTTCTGGGCGAGGGGCTGTACAGGGGCTGCCAG	1200
Qy	1201	AGCTGAGCCGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTTCGATGGGAGCT	1260
Db	1201	AGCTGAGCCGGCACCGAGGCCCGGAGACACTATGATGAAGCGTTTCGATGGGAGCT	1260
Qy	1261	GGGCTGTGTTCTGAGTGGCCATCTCCCTGGTCTTCTCTGTGTCATGAGACCGGCTGGT	1320
Db	1261	GGGCTGTGTTCTGAGTGGCCATCTCCCTGGTCTTCTCTGTGTCATGAGACCGGCTGGT	1320
Qy	1321	GCAGCGATTGGGCTGAGGAGCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGC	1380
Db	1321	GCAGCGATTGGGCTGAGGAGCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGC	1380
Qy	1381	CGGTGCCACATGCTGCTGCCACAGTGTGGCGTGGTGACAGCTTTCAGCGGCCCTCACCGG	1440
Db	1381	CGGTGCCACATGCTGCTGCCACAGTGTGGCGTGGTGACAGCTTTCAGCGGCCCTCACCGG	1440
Qy	1441	GTTCACTTCTCAGCCCTGACAGTCTGCTGCCCTACACACTGGCCCTCTCTACCAACCGGA	1500
Db	1441	GTTCACTTCTCAGCCCTGACAGTCTGCTGCCCTACACACTGGCCCTCTCTACCAACCGGA	1500
Qy	1501	GAAGCAGGTGTTCTGCGCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGACAG	1560
Db	1501	GAAGCAGGTGTTCTGCGCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGACAG	1560
Qy	1561	CCTGATCAGCAGCTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACGT	1620
Db	1561	CCTGATCAGCAGCTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACGT	1620
Qy	1621	GGGTGCTGGAGGAGTGGCTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCGCTG	1680
Db	1621	GGGTGCTGGAGGAGTGGCTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCGCTG	1680
Qy	1681	TGATGTTCTCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGGGCGG	1740
Db	1681	TGATGTTCTCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGGGCGG	1740
Qy	1741	GGGCATCTGCTGAGCCTCGCCATCTCGGATAGTGTCTTCTGCTGCCAGGTGGCCCC	1800
Db	1741	GGGCATCTGCTGAGCCTCGCCATCTCGGATAGTGTCTTCTGCTGCCAGGTGGCCCC	1800
Qy	1801	ATCCCTGTTATGGGCTCCATTGTTCAGCTCAGCCAGTGTGTCTATATGGTGTG	1860
Db	1801	ATCCCTGTTATGGGCTCCATTGTTCAGCTCAGCCAGTGTGTCTATATGGTGTG	1860
Qy	1861	TGCCGAGGGCTGGGTCTGGTCCGCAATTTACTTTGTCTACACAGGTAGTATTGACAGAG	1920
Db	1861	TGCCGAGGGCTGGGTCTGGTCCGCAATTTACTTTGTCTACACAGGTAGTATTGACAGAG	1920
Qy	1921	CGACTTGGCCAAATACCTCAGCTAGAAATCTCCAGCACAATTGGGGTGGAGGGCTGCTCT	1980
Db	1921	CGACTTGGCCAAATACCTCAGCTAGAAATCTCCAGCACAATTGGGGTGGAGGGCTGCTCT	1980
Qy	1981	CATGGGTCCAGCTCCCGCTCTCTGTAGCCCCCATGGGGTGGCGGGCTGGCCAGT	2040
Db	1981	CATGGGTCCAGCTCCCGCTCTCTGTGTAGCCCCCATGGGGTGGCGGGCTGGCCAGT	2040
Qy	2041	TTCTGTGCTGCCAAAGTAAATGTGGCTCTCTGCTGCCCCCACTGCTGTGAGGTGCGTA	2100
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Db GTTCCCTTGAGATAGCTGGTCAATGGGCTGATATTGCGAGAACTCTTCTCTCTGGGGT 2760
Qy GTGCCCCCAAAATGCTTAACCCAGGACCTTGGAAATTTCTACTCATCCCAATGATAAT 2820
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Db CTCAACGGCTTCCCTTAACCAACCCCTTCTCTTGGCCCAAGCTGTGTTCCCCCACTTCCA 2940
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Db CTCCTCTACTCTCTCTAGGACTGGGCTGATGAAGCACTGCCCAAAATTTCCCTACC 3000
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Qy AAA 3410
Db AAA 3410

RESULT 14
US-10-453-919-100
; Sequence 100, Application US/10453919
; Publication No. US2004003230A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C7
; CURRENT APPLICATION NUMBER: US/10/453.919
; CURRENT FILING DATE: 2003-06-03
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien

US-10-453-919-100
Query Match
Best Local Similarity 100.0%; Score 3410; DB 18; Length 3410;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 GTGATGAGAGTGTCCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGGCTGAG 120
Db 61 GTGATGAGAGTGTGCCCACTGAGGTGCCACAGCAGCAGGTGTTGAGCATGGGCTGAG 120
Qy 121 AAGCTGGAACCGGACCAAGGGCTGGCAGAAATGGGGCTTGGCTGATTTCTTAGCAGTT 180
Db 121 AAGCTGGAACCGGACCAAGGGCTGGCAGAAATGGGGCTTGGCTGATTTCTTAGCAGTT 180
Qy 181 GCGCGCAGCAAGGAGAGAGCGCGAGCTTCTGAGCAGAGCCGAGAGCAAGCAGTTCTG 240
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Qy 241 GAGTGCCTGAACGCGCCCTGAGCCCTACCGCCCTGGCCCACTATGGTCCAGAGGCTGTG 300
Db 241 GAGTGCCTGAACGCGCCCTGAGCCCTACCGCCCTGGCCCACTATGGTCCAGAGGCTGTG 300
Qy 301 GGTGAGCGCGCTGTCGGGCAACCGAAAGCCAGCTTGTGTGGTCAACCTGCTAACCTT 360
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Qy 361 TGGCTTGAGAGTGTGTTGGCGCAGGCATCACCTATGTGCGGCTCTGTCTGCTGGAAGT 420
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Db 421 GGGGTGAGAGAGTGTGTCAGCATGCTGGGCAATGGTCCAGTGTGGGCTGCT 480
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Db 481 CTGTGTCCTGCTCCTGAGCTCAGCAGTGACCTGCGGAGCGCTATGCGCGCGCGCG 540
Qy 541 GCGCTTCACTGCGGCACTGCTTGGGCACTCTGCTGAGCCTCTTCTCACTCCCAAGGCG 600
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Qy 601 GCGCTGCTAGCAGGCTGCTGCGCGGATCCAGGCGCTGAGCTGCGGCACTGCTCAT 660
Db 601 GCGCTGCTAGCAGGCTGCTGCGCGGATCCAGGCGCTGAGCTGCGGCACTGCTCAT 660
Qy 661 CTGGGGCTGGGCTGCTGAGCTTCTGTGGCAGGTGTGCTTCACTCCAGTGGAGGCGCT 720
Db 661 CTGGGGCTGGGCTGCTGAGCTTCTGTGGCAGGTGTGCTTCACTCCAGTGGAGGCGCT 720
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Db 721 GCTCTCTGACCTTCTCGGACCCCGACCTGCTGCGCAGGCTTCTGCTATGCTCT 780
Qy 781 CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCGCATTTGACTGGGACACAG 840
Db 781 CATGATCAGTCTTGGGGCTGCTGGGCTACCTCTGCTGCGCATTTGACTGGGACACAG 840
Qy 841 TGCCCTGGCCCCCTTACCTGGGCAACCGAGGAGGTGCTTCTTGGCTGCTCACCCTCAT 900
Db 841 TGCCCTGGCCCCCTTACCTGGGCAACCGAGGAGGTGCTTCTTGGCTGCTCACCCTCAT 900
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Db 901 CTTCTCTCAGCTGCTAGCAGCACTGCTGTGGTGTGAGGAGCAGCGCTGGGCCCCAC 960
Qy 961 CGAGCCAGCAAGAGGCTGTGGGCCCTCTGCTGCGGCCCACTGCTGTCATGCGCGGC 1020
Db 961 CGAGCCAGCAAGAGGCTGTGGGCCCTCTGCTGCGGCCCACTGCTGTCATGCGCGGC 1020

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Db 1021 CCGCTTGCTTTTCGGAACTTGGGCGCCCTGCTTCCCGGTGACACAGCTGTGTGCGG 1080
QY 1081 CATGCCCGGACCTTCCGCGGCTCTTGTGGCTGAGCTGTGACGTGGACCTCAT 1140
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Db 1321 GCAGCGATTCGCGACTCCGAGAGTCTATTGGCCAGTGTGCGAGCTTCCCTGTGGCTGC 1380
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Db 1621 GGGTCTGAGGACGTGCTGCTCCACCTCCACCGGCTCTGCGGGGCTCTGCTG 1680
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QY 3181 GAGTCTTATCTCTCAGGGGGGTTTAAAGTCCGTTTGAATGCTCTTATTATT 3240

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Db 3361 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3410

RESULT 15
US-10-688-838-110
; Sequence 110, Application US/10688838
; Publication No. US20040141989A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D4
; CURRENT APPLICATION NUMBER: US/10/688,838
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-688-838-110

Query Match 100.0%; Score 3410; DB 19; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3410; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 781 CATGATCAGTCTTGGGGCTGTCTGGGTACCTCTCTGCTGCCATTGACTGGGACACCAG 840
Qy 841 TGCCCTGGCCCTTACCTGGGCACTCTGCTGGGTGCTCTTTGGCTGTCTCACTCAT 900
Db 841 TGCCCTGGCCCTTACCTGGGCACTCTGCTGGGTGCTCTTTGGCTGTCTCACTCAT 900
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Db 1321 GCAGCGATTCCGCACTCGAGCAGTCTATTTGGCCAGTGTGCGAGCTTTCCCTGTGGCTGC 1380
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2221	ATGCACCTGGAAATGCGGGGACTCTGCAGGTGGATTAACCCAGGCTCAGGGTTAACAGCTAGC	2280
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Search completed: June 16, 2005, 02:01:57
Job time : 1926 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1342	100.0	3410	3	US-09-030-607-110
3	1342	100.0	3410	3	US-09-439-313-110
4	1342	100.0	3410	3	US-09-352-616A-110
5	1342	100.0	3410	3	US-09-602-877A-100
6	1342	100.0	3410	3	US-09-232-149A-110
7	1342	100.0	3410	4	US-09-159-812-110
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9	1342	100.0	3410	4	US-09-685-166A-110
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11	1342	100.0	3410	4	US-09-688-489-110
12	1342	100.0	3410	4	US-09-679-426-110
13	1342	100.0	3410	4	US-09-759-143-110
14	1342	100.0	3410	4	US-09-651-236-110
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Sequence 851, App
Sequence 10, Appl
Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillin, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-020-956-110

Query Match 100.0%; Score 1342; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 598 GGCGGGTGGCTAGCAGGGCTGTGTGCCGAGTCCCGAGCCCTGGAGCTGGCACTGCT 657

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Qy	1321	GAGCGACTTGGCCAAATACTCA	1342
Db	1918	GAGCGACTTGGCCAAATACTCA	1939
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; Sequence 110, Application US/09439313			
; Patent No. 6329505			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan Louise			
; APPLICANT: Jiang Yuqiu			
; APPLICANT: Reed, Steven G.			
; APPLICANT: Kalos, Michael			
; APPLICANT: Panger, Gary			
; APPLICANT: Retter, Mark			
; APPLICANT: Solk, John			
; APPLICANT: Day, Craig			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.427C9			
; CURRENT APPLICATION NUMBER: US/09/439,313			
; CURRENT FILING DATE: 1999-11-12			
; NUMBER OF SEQ ID NOS: 575			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 110			
; LENGTH: 3410			
; TYPE: DNA			
; ORGANISM: Homo sapien			
US-09-439-313-110			
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Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Qy	121	CCTGCTCTGTGACCTCTTCCGGGACCCGGACCACTGTGCCAGGCCCTACTCTGTCTATGC	180
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Qy	181	CTTCATGATCAGTCTTGGGGGCTGCCCTGGGCTACTCTCTGCTGCCATTGACTGGGACAC	240
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Qy 901 GGAGAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGA 960
Db 1498 GGAGAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGA 1557
Qy 961 CAGCCTGATGACCAAGCTTCTGCCAGGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACA 1020
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Db 1918 GAGCGACTTGGCCAAATACTCA 1939

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US-09-602-877A-100
; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100

Query Match 100.0%; Score 1342; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 598 GCGCGGTGGCTAGCAGGGCTGCTGTGCCGGATCCAGGCCCTTGAGCTGGGACTGCT 657
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Db 778 CTTTCATGATCAGTCTTGGGGGCTGCGCTGCGGTACCTCTGCTGCCATTGACTGGGACAC 837
Qy 241 CAGTGGCTTGGCCCTTACCTTGGGACCCAGAGGAGTGGCTCTTTGGCCTGTCTACCCCT 300
Db 838 CAGTGGCTTGGCCCTTACCTTGGGACCCAGAGGAGTGGCTCTTTGGCCTGTCTACCCCT 897
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Db 958 CACGAGCCAGCAGAGAGGGCTGTGGGCCCTCTCTGTGCGCCCACTGTCTGTCCATGCCG 1017
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Qy 481 CCGCATGCCCGGACCTGCTGCGCGCTCTTCTGTGGTGGTGGTGGTGGTGGTGGTGGTGG 540
Db 1078 CCGCATGCCCGGACCTGCTGCGCGCTCTTCTGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1137
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Db 1258 CTTGGGGCTGTTCTGTCAGTGGCGCATCTCCCTGGTCTTCTCTGTGTATGAGACCGGCT 1317
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Db 1318 GGTGACGAGATTCGGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGC 1377
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Db 1378 TGGCGGTGCCACATGCTCTCCACAGTGTGGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1437
Qy 841 CCGGTTTCACTTCTCAGCCTCTGAGATCTTGGCCTACACACTGGCCTCCCTCTACCAACG 900
Db 1438 CCGGTTTCACTTCTCAGCCTCTGAGATCTTGGCCTACACACTGGCCTCCCTCTACCAACG 1497
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Db 1498 GGAGAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGA 1557
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Db 1558 CAGCCTGATGACCAAGCTTCTGCCAGGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACA 1617
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QY 1261 GTCTCCGAGGCGCTGGGTCTGGTCCGCAATTTACTTTGCTACACAGGTAGTATTGACAA 1320
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RESULT 6

US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110

Query Match 100.0%; Score 1342; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CATCTGGCGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGCTTCACTCCACCTGGAGGC 120
DB 658 CATCTGGCGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGCTTCACTCCACCTGGAGGC 717
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QY 181 CTTCAATGATCAGTCTTTGGGGCTGCTGGGCTACCTCTGCTGCTGCAATGACTGGAGAC 240
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QY 241 CAGTGCCCTGGCCCTACCTGGGACCCAGGAGAGTCCCTTTGGCCCTGCTCACCCCT 300
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QY 301 CATCTTCTCCTACCTGCTAGCAGCACAACACTGTGTGGTGGCTGAGGAGCAGCGCTGGGCC 360
DB 898 CATCTTCTCCTACCTGCTAGCAGCACAACACTGTGTGGTGGCTGAGGAGCAGCGCTGGGCC 957
QY 361 CACGAGGCAGAGAGGGCTGTGGGCCCTCTCTGTGTGGCCCACTGCTGTCCATGCGG 420
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QY 421 GGCCCGCTGGCTTTCCGGAACCTGGGCGCCCTGCTCCCGGCTGACACAGCTGTGCTG 480
DB 1018 GGCCCGCTGGCTTTCCGGAACCTGGGCGCCCTGCTCCCGGCTGACACAGCTGTGCTG 1077
QY 481 CCGCATGCCCGCACCTCTGCGCGGCTCTTGTGGCTGAGCTGTGCACTGGATGGCACT 540
DB 1078 CCGCATGCCCGCACCTCTGCGCGGCTCTTGTGGCTGAGCTGTGCACTGGATGGCACT 1137
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DB 1138 CATGACCTTACGCTGTTTACACGGATTTCTGTGGCGAGGGCTGTACACAGGGCGTGC 1197
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QY 661 CCTGGGGCTGTTCTCTGCACTGCGCATCTCCCTGGTCTTCTCTCTGTGTCATGGACCGGCT 720
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DB 1438 CGGGTTACACCTTCTCAGCCCTGCAAGATCTCCCTCCCTACACACTGGGCTCCCTTACACCG 1497
QY 901 GGAGAAGCAGGTGTTCTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGA 960
DB 1498 GGAGAAGCAGGTGTTCTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGA 1557
QY 961 CAGCCTGATGACACAGCTTCTTGCCAGGCGCTTAAGCCTGGAGCTCCCTTCCCTAATGGACA 1020
DB 1558 CAGCCTGATGACACAGCTTCTTGCCAGGCGCTTAAGCCTGGAGCTCCCTTCCCTAATGGACA 1617
QY 1021 CGTGGGTGCTGGAGGAGTGGCTGTCTCCCACTCCACCCCGCTCTGCGGGGCTCTGCG 1080
DB 1618 CGTGGGTGCTGGAGGAGTGGCTGTCTCCCACTCCACCCCGCTCTGCGGGGCTCTGCG 1677
QY 1081 CTGTGATGCTCCCTAGTGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
DB 1678 CTGTGATGCTCCCTAGTGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1737
QY 1141 CCGGGGATCTGCTGGACCTCGCATCTCGATGAGTGGCTTCTGCTGTGCCAGGTGGC 1200
DB 1738 CCGGGGATCTGCTGGACCTCGCATCTCGATGAGTGGCTTCTGCTGTGCCAGGTGGC 1797
QY 1201 CCCATCCCTGTTATGGGCTCCATTGTCCAGCTCAGCCAGTGTGCTACTGCTATATGGT 1260
DB 1798 CCCATCCCTGTTATGGGCTCCATTGTCCAGCTCAGCCAGTGTGCTACTGCTATATGGT 1857
QY 1261 GTCTGCGCAGGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1320
DB 1858 GTCTGCGCAGGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1917
QY 1321 GAGCGACTTGGCCAAATACTCA 1342
DB 1918 GAGCGACTTGGCCAAATACTCA 1939

RESULT 7

US-09-159-812-110
; Sequence 110, Application US/09159812A
; Patent No. 6613872
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C5
; CURRENT APPLICATION NUMBER: US/09/159,812A
; CURRENT FILING DATE: 1998-09-23
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-159-812-110

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Query Match      100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCACAGGCCCTCGAGCTGGCACTGCT 60
Db GCGCGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCACAGGCCCTCGAGCTGGCACTGCT 657

Qy 61 CATCTCGGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGTCTTCACTCACTGGAGGC 120
Db CATCTCGGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGTCTTCACTCACTGGAGGC 717

Qy 121 CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 180
Db CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 777

Qy 181 CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 240
Db CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 837

Qy 241 CAGTGCCCTGGCCCGCTGCTGAGGAGCCAGGAGGAGTGCCTTTTGGCCCTGCTCAACCT 300
Db CAGTGCCCTGGCCCGCTGCTGAGGAGCCAGGAGGAGTGCCTTTTGGCCCTGCTCAACCT 897

Qy 301 CATCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Db CATCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 957

Qy 361 CACCGAGCCAGCAGAGGGCTGTGGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Db CACCGAGCCAGCAGAGGGCTGTGGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1017

Qy 421 GCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Db GCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1077

Qy 481 CCGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
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Qy 541 CATGACCTTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db CATGACCTTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1197

Qy 601 CAGAGCTGAGCCGGGACCGAGGCCGAGAGACATATGATGAAGCGTTCCGATGGGCG 660
Db CAGAGCTGAGCCGGGACCGAGGCCGAGAGACATATGATGAAGCGTTCCGATGGGCG 1257

Qy 661 CCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
Db CCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1317

Qy 721 GGTGAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGG 780
Db GGTGAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGG 1377

Qy 781 TGCCGGTGCCACATGCTGCTGCCAGTGTGCCAGTGTGGCAGTGTGGCAGTGTGGCAG 840
Db TGCCGGTGCCACATGCTGCTGCCAGTGTGCCAGTGTGGCAGTGTGGCAGTGTGGCAG 1437

Qy 841 CCGGTTACCTTCTCAGCCCTGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
Db CCGGTTACCTTCTCAGCCCTGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1497

Qy 901 GGAGAAGCAGGTGTTCTGCTGCCAATACCGAGGGGACACTGAGGTGTAGCAGTGAGGA 960
Db GGAGAAGCAGGTGTTCTGCTGCCAATACCGAGGGGACACTGAGGTGTAGCAGTGAGGA 1557

Qy 961 CAGCCTGATGACAGCTTCTGCCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGAGCA 1020
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Qy 1081 CTGTGATGTCTCCCTACCTGCTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
Db 1678 CTGTGATGTCTCCCTACCTGCTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1737

Qy 1141 CCGGGGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
Db 1738 CCGGGGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1797

Qy 1201 CCAATCCCTGTTTATGGCTCCATTTGCTCAGCTCAGCAGTCTGTCTGCTGCTGCTGCT 1260
Db 1798 CCAATCCCTGTTTATGGCTCCATTTGCTCAGCTCAGCAGTCTGTCTGCTGCTGCTGCT 1857

Qy 1261 GTCTGCCGAGGCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1320
Db 1858 GTCTGCCGAGGCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1917

Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939

RESULT 8
US-09-636-215-110
; Sequence 110, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-110

Query Match      100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCACAGGCCCTCGAGCTGGCACTGCT 60
Db 598 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCACAGGCCCTCGAGCTGGCACTGCT 657

Qy 61 CATCTCGGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGTCTTCACTCACTGGAGGC 120
Db 598 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCACAGGCCCTCGAGCTGGCACTGCT 657

Qy 61 CATCTCGGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGTCTTCACTCACTGGAGGC 120
Db 658 CATCTCGGGCTGGGGCTGCTGGACTCTGTGGCCAGGTGTCTTCACTCACTGGAGGC 717
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QY 121 CTTGCTCTGTGACCTTTCCGGGACCCGGGACCACTGTGCGCCAGGCGCTACTCTGTCTATGC 180
Db 718 CTTGCTCTGTGACCTTTCCGGGACCCGGGACCACTGTGCGCCAGGCGCTACTCTGTCTATGC 777
QY 181 CTTGATGATGAGTCTTGGGGGCTGCTGGGCTACTCTCTGCTGCGCATTTGACTGGGACAC 240
Db 778 CTTGATGATGAGTCTTGGGGGCTGCTGGGCTACTCTCTGCTGCGCATTTGACTGGGACAC 837
QY 241 CAGTGGCTTGGCCCTTACTCTGGGACCCAGGAGAGTGCCTCTTTGGCTGCTCACCT 300
Db 838 CAGTGGCTTGGCCCTTACTCTGGGACCCAGGAGAGTGCCTCTTTGGCTGCTCACCT 897
QY 301 CATCTTCTCTACCTGCTAGCAGCACACTGCTGTGTGCTGAGGAGGCGCTGGGCC 360
Db 898 CATCTTCTCTACCTGCTAGCAGCACACTGCTGTGTGCTGAGGAGGCGCTGGGCC 957
QY 361 CACCGAGCCAGCAGAGGGCTGTGGGCCCTCTCTGTGCGCCCACTGCTGTCATGCGG 420
Db 958 CACCGAGCCAGCAGAGGGCTGTGGGCCCTCTCTGTGCGCCCACTGCTGTCATGCGG 1017
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Db 1018 GCGCGCTTGGCTTTCCGGAACTTGGGGCCCTGCTTCCCGGCTGCAACCACTGTGCTG 1077
QY 481 CCGCATGCCCCGCACTTGGCGCGCTCTTCTGTGTGCTGAGCTGTGCACTGGATGGCACT 540
Db 1078 CCGCATGCCCCGCACTTGGCGCGCTCTTCTGTGTGCTGAGCTGTGCACTGGATGGCACT 1137
QY 541 CATGACCTTACGCTGTTTACAGGATTTCTGTGGCGAGGGCTGTACCAAGGGCGTCC 600
Db 1138 CATGACCTTACGCTGTTTACAGGATTTCTGTGGCGAGGGCTGTACCAAGGGCGTCC 1197
QY 601 CAGAGCTGAGCCGGGACCGAGCCCGGAGACACTATGATGAAGCGCTTCGATGGGCGAG 660
Db 1198 CAGAGCTGAGCCGGGACCGAGCCCGGAGACACTATGATGAAGCGCTTCGATGGGCGAG 1257
QY 661 CTTGGGGCTGTTCTTGCAGTGGCCATCTCCTGTGTCTCTCTGTGCTATGGACCGCT 720
Db 1258 CTTGGGGCTGTTCTTGCAGTGGCCATCTCCTGTGTCTCTCTGTGCTATGGACCGCT 1317
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Db 1318 GGTGAGCGATTTGGGACCTGAGCAGTCTATTTGGCCAGTGTGGCAGCTTCCCTGTGCG 1377
QY 781 TGCCGGTGCACATGCTGTCACAGTGTGCGCTGTGAGCTTCAGCGCCCTCAC 840
Db 1378 TGCCGGTGCACATGCTGTCACAGTGTGCGCTGTGAGCTTCAGCGCCCTCAC 1437
QY 841 CGGGTTCACTTCTCAGCCCTGAGATCTGCGCTTACACACTTGGCTTCCCTTACACCG 900
Db 1438 CGGGTTCACTTCTCAGCCCTGAGATCTGCGCTTACACACTTGGCTTCCCTTACACCG 1497
QY 901 GGAGAGCAGGTGTTCTGCGCCAAATACGAGGGGACACTGAGGTGTAGCAGTGAAGA 960
Db 1498 GGAGAGCAGGTGTTCTGCGCCAAATACGAGGGGACACTGAGGTGTAGCAGTGAAGA 1557
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QY 1021 CTTGGGTGTGAGGAGTGGCTGTGCTCCACTTCCACCGCGCTCTGCGGGCTCTTGC 1080
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QY 1081 CTTGATGTTCCGTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
Db 1678 CTTGATGTTCCGTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1737
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QY 1201 CCCATCCCTGTTTATGGGCTCCATGTTCAGCTCAGCCAGTCTGTCACTGATATATGGT 1260

Db 1798 CCCATCCCTGTTTATGGGCTCCATGTTCAGCTCAGCCAGTCTGTCACTGCTATATGGT 1857
QY 1261 GTCTGCCGACGCGCTGCGTCTGCTGCGCATTTACTTTGCTACACAGGTAGTATTGGACAA 1320
Db 1858 GTCTGCCGACGCGCTGCGTCTGCTGCGCATTTACTTTGCTACACAGGTAGTATTGGACAA 1917
QY 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939
RESULT 9
US-09-685-166A-110
; Sequence 110, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-110
Query Match 100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGCGCTGGCTAGCAGGGCTGTGTGCCCGATCCAGGCCCTCGAGCTGGCACTGCT 60
Db 598 GCGCGCTGGCTAGCAGGGCTGTGTGCCCGATCCAGGCCCTCGAGCTGGCACTGCT 657
QY 61 CATCTGTGGCGTGGGGCTGTGGAATTCTGTGGCCAGGTGTCTTCACTCCACTGGAGGC 120
Db 658 CATCTGTGGCGTGGGGCTGTGGAATTCTGTGGCCAGGTGTCTTCACTCCACTGGAGGC 717
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Db 718 CTTGCTCTCTACCTTCTCCGGGACCCGAGACCACTGTGCGCAGGCGCTACTCTGTCTATGC 777
QY 181 CTTGATGATGAGTCTTGGGGGCTGCTGGGCTACTCTCTGCTGCGCATTTGACTGGGACAC 240
Db 778 CTTGATGATGAGTCTTGGGGGCTGCTGGGCTACTCTCTGCTGCGCATTTGACTGGGACAC 837
QY 241 CAGTGGCTTGGCCCTTACTCTGGGACCCAGGAGAGTGCCTCTTTGGCTGCTCACCT 300
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QY 301 CATCTTCTCTACCTGCTAGCAGCACACTGCTGTGTGCTGAGGAGGCGCTGGGCC 360

Db 898 CATCTTCTACCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGAGCGCTGGGCC 957
Qy 361 CACGAGCCAGAGAGGCTGTGGCCCTCTCTGTGCGCCCACTGCTGTCATGCGC 420
Db 958 CACGAGCCAGAGAGGCTGTGGCCCTCTCTGTGCGCCCACTGCTGTCATGCGC 1017
Qy 421 GCGCGCTTGGCTTTCGGAACCTCGGCGCCTGCTTCCCGGGCTGACCAAGCTGTGCTG 480
Db 1018 GCGCGCTTGGCTTTCGGAACCTCGGCGCCTGCTTCCCGGGCTGACCAAGCTGTGCTG 1077
Qy 481 CCGATGCGCCGACCTGCGCGGCTCTTCTGTGCTGAGCTGAGCTGATGGCACT 540
Db 1078 CCGATGCGCCGACCTGCGCGGCTCTTCTGTGCTGAGCTGAGCTGATGGCACT 1137
Qy 541 CATGACCTTACGCTGTTTACGGAATTTCTGTGGCGAGGGCTGTACAGGGCGTGCC 600
Db 1138 CATGACCTTACGCTGTTTACGGAATTTCTGTGGCGAGGGCTGTACAGGGCGTGCC 1197
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Qy 661 CCGGAGCTGTTCTGAGTGGGCACTCTCCCTGGTCTTCTCTGTGTCATGAGCCGCT 720
Db 1258 CCGGAGCTGTTCTGAGTGGGCACTCTCCCTGGTCTTCTCTGTGTCATGAGCCGCT 1317
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Qy 781 TGGCGGTGCCACATGCTCCAGTGTGGCGGTGGTGCAGCTTCAGCGCGCCCTCAC 840
Db 1378 TGGCGGTGCCACATGCTCCAGTGTGGCGGTGGTGCAGCTTCAGCGCGCCCTCAC 1437
Qy 841 CGGTTTCACTTTCAGCCCTGAGATCTCTGCCCTTACACATGTGGCTCCCTTACCAACG 900
Db 1438 CGGTTTCACTTTCAGCCCTGAGATCTCTGCCCTTACACATGTGGCTCCCTTACCAACG 1497
Qy 901 GGAGAGCAGGTGTTCTGCGCCCAATACCGAGGGGACACTGGAGGTGTACAGTGAGGA 960
Db 1498 GGAGAGCAGGTGTTCTGCGCCCAATACCGAGGGGACACTGGAGGTGTACAGTGAGGA 1557
Qy 961 CAGCTGATGACCAAGCTTCTGCGCAGGCTTAAGCTTGGAGCTCCCTTCCCTAATGACA 1020
Db 1558 CAGCTGATGACCAAGCTTCTGCGCAGGCTTAAGCTTGGAGCTCCCTTCCCTAATGACA 1617
Qy 1021 CGTGGGTGCTGGAGCAGTGGCTGCTCCCACTTCCAGCCGCTCTGCGGGGCTCTGC 1080
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Qy 1081 CTGTGATGCTCCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGTTCGGG 1140
Db 1678 CTGTGATGCTCCGTAGCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGTTCGGG 1737
Qy 1141 CCGGGCATCTGCTGAGCTCGCATCTCTGGATGAGCTTCTGCTGTCCTCCAGGTGGC 1200
Db 1738 CCGGGCATCTGCTGAGCTCGCATCTCTGGATGAGCTTCTGCTGTCCTCCAGGTGGC 1797
Qy 1201 CCAATCCCTGTTATGGCTCAATGTCCAGCTCAGCCAGTGTGTCACTGCTATATGGT 1260
Db 1798 CCAATCCCTGTTATGGCTCAATGTCCAGCTCAGCCAGTGTGTCACTGCTATATGGT 1857
Qy 1261 GTCTGCCGAGGCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1320
Db 1858 GTCTGCCGAGGCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1917
Qy 1321 GAGCGACTTGGCCAAATCTCA 1342
Db 1918 GAGCGACTTGGCCAAATCTCA 1939

RESULT 10

US-09-115-453-110

; Sequence 110, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-115-453-110

Query Match 100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCGCGCTGCTAGCAGGCTGTGTCGCGGATCCAGGCCCCCTGGAGCTGGCACTGCT 60
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Qy 241 CAGTGGCTTGGCCCCCTTACCTGGGACCCAGGAGGAGTGTCTTTGGCCCTGTCCACCT 300
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Db 898 CATCTTCTCTACCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGAGCGCTGGGCCC 957
Qy 361 CACGAGCCAGCAGAGGCTGTGCGCCCTCTTGTGCGCCCACTGTCTGTTCATGCGC 420
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Qy 421 GCGCGCTTGGCTTTCGGAACCTGGGCGCCTGCTTCCCGGCTGCACAGCTGTGCTG 480
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Qy 481 CCGCATGCCCCCGACCTTCCGCGCTCTTCTGGCTGAGCTGTGCAAGTGGCACT 540
Db 1078 CCGCATGCCCCCGACCTTCCGCGCTCTTCTGGCTGAGCTGTGCAAGTGGCACT 1137
Qy 541 CATGACCTTCACTGCTGTTTACAGGAATTTCTGTGGCGAGGGCTGTACAGGGCGTGCC 600
Db 1138 CATGACCTTCACTGCTGTTTACAGGAATTTCTGTGGCGAGGGCTGTACAGGGCGTGCC 1197
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Db 1198 CAGAGCTGAGCGGGCACCGAGGCGCGGAGACACTATGATGAAGCGCTTCGGATGGGCG 1257
Qy 661 CCGGAGCTGTTCTGAGTGGGCACTCTCCCTGGTCTTCTCTGTGTCATGAGCCGCT 720
Db 1258 CCGGAGCTGTTCTGAGTGGGCACTCTCCCTGGTCTTCTCTGTGTCATGAGCCGCT 1317
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Qy	781	TGCGGTGCACATGCTCTGCCACAGTGTGGCGGTGACAGCTTCAGCGCCCTCAC	840
Db	1378	TGCGGTGCACATGCTCTGCCACAGTGTGGCGGTGACAGCTTCAGCGCCCTCAC	1437
Qy	841	CGGGTTCACCTTCTCAGCCCTGCAGATCCCTGCCCTACACACTGGCTCCCTCTACACCG	900
Db	1438	CGGGTTCACCTTCTCAGCCCTGCAGATCCCTGCCCTACACACTGGCTCCCTCTACACCG	1497
Qy	901	GGAGAACAGGTGTTCTCTGCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGA	960
Db	1498	GGAGAACAGGTGTTCTCTGCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGA	1557
Qy	961	CAGCCTGATGACACAGCTTCCTTGCAGGCCCTTAAGCCTGGAGCTCCCTTCCTTAATGGACA	1020
Db	1558	CAGCCTGATGACACAGCTTCCTTGCAGGCCCTTAAGCCTGGAGCTCCCTTCCTTAATGGACA	1517
Qy	1021	CGTGGGTGCTGGAGGCAGTGGCTGTCTCCACCTTCCACCGCGCTCTGCGGGCCCTCTGC	1080
Db	1618	CGTGGGTGCTGGAGGCAGTGGCTGTCTCCACCTTCCACCGCGCTCTGCGGGCCCTCTGC	1677
Qy	1081	CTGTGATGCTCTCGTAGCTGTGTGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGGG	1140
Db	1678	CTGTGATGCTCTCGTAGCTGTGTGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGGG	1737
Qy	1141	CCGGGGCATCTGCTCGACCTCGCCATCTTGGATAGTGCTTCTGCTGCTCCAGGTGGC	1200
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Qy	1201	CCCATCCCTGTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGGT	1260
Db	1798	CCCATCCCTGTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGGT	1857
Qy	1261	GTCTGCCCGCAGGCTGGGTCTGGTCGCCATTTACTTTGTACACAGGTAGTATTGGACAA	1320
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Db	1918	GAGCGACTTGGCCAAATACTCA	1939

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RESULT 11
US-09-688-489-110
; Sequence 110, Application US/09688489
; Patent No. 6664377
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Micham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D2
; CURRENT APPLICATION NUMBER: US/09/688,489
; CURRENT FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-688-489-110

Query Match      100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pstd. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1201 CCAATCCCTGTTATGGGCTCCATTGTCAGCTCAGCCAGTGTGTCACTGGCTATATGGT 1260
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Qy 1261 GTCTGCCGAGGCTGGGCTGGTGGCCATTTATCTTGGCTACACAGGTAGTATTGACAA 1320
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Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939
RESULT 12
US-09-679-426-110
; Sequence 110, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fauger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Rasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121-427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-110
Query Match 100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCCTGCTGTAGCAGGCTGTGTGCCCCGATCCAGGCCCTCGGAGCTGGCACTGCT 60
Db 598 GGCCTGCTGTAGCAGGCTGTGTGCCCCGATCCAGGCCCTCGGAGCTGGCACTGCT 657
Qy 61 CATCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCT 120
Db 658 CATCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCT 717
Qy 121 CCTGCTCTGACCTCTTCGCGGACCCGAGACCACTGTGCGCCAGGCTACTCTGTATGC 180
Db 718 CCTGCTCTGACCTCTTCGCGGACCCGAGACCACTGTGCGCCAGGCTACTCTGTATGC 777
Qy 181 CTTATGATAGTCTTGGGGCTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Db 778 CTTATGATAGTCTTGGGGCTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 837
Qy 241 CAGTGCCTGCCCCCTTACCTTGGGACCCAGGAGGTGCTCTTTGGCTGCTCACTCT 300
Db 838 CAGTGCCTGCCCCCTTACCTTGGGACCCAGGAGGTGCTCTTTGGCTGCTCACTCT 897

Qy 301 CATCTTCCTACCTGCTAGCAGCCACACTGCTGTGTGCTGAGGAGGAGGCTGGGCC 360
Db 898 CATCTTCCTACCTGCTAGCAGCCACACTGCTGTGTGCTGAGGAGGAGGCTGGGCC 957
Qy 361 CACGAGCCAGCAGAGGCTGTGGGCCCTCTCTTGTGCGCCCACTGCTGTTCATGGCG 420
Db 958 CACGAGCCAGCAGAGGCTGTGGGCCCTCTCTTGTGCGCCCACTGCTGTTCATGGCG 1017
Qy 421 GGCCTGCTGGCTTTCGGGAACCTTGGGCGCCCTGCTTCCCGGCTGACACAGCTGTGTG 480
Db 1018 GGCCTGCTGGCTTTCGGGAACCTTGGGCGCCCTGCTTCCCGGCTGACACAGCTGTGTG 1077
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Db 1138 CATGACCTTACGCTGTTTACAGGATTTCTGTTGGGCGAGGGCTGTACAGAGGCTGCT 1197
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Db 1198 CAGAGCTGAGCCGGGACCCGAGGCCCGAGGACCTATGATGAAGGCTGTGCTGCTGCTGCT 1257
Qy 661 CCTGGGCTGTTCTGAGTGGCGCATCTCCCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 720
Db 1258 CCTGGGCTGTTCTGAGTGGCGCATCTCCCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1317
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Db 1438 CGGCTTACCTTCTCAGCCCTGAGATCTGCTGCCCTACACACTGCTGCTGCTGCTGCTGCTGCT 1497
Qy 901 GGAGAGCAGGTGTTCTGCCAAATACCGAGGGACACTGGAGGTGTACAGTGAAGA 960
Db 1498 GGAGAGCAGGTGTTCTGCCAAATACCGAGGGACACTGGAGGTGTACAGTGAAGA 1557
Qy 961 CAGCTGATGACAGCTTCTGCTGCGAGGCTTAAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 1558 CAGCTGATGACAGCTTCTGCTGCGAGGCTTAAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1617
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Db 1678 CTGTGATGTCTCGGTACGTGTGTGGGTGAGGCCCAACCGAGGCCAGGCTGGTTCGGGG 1737
Qy 1141 CCGGGGCTGCTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db 1738 CCGGGGCTGCTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1797
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Db 1798 CCAATCCCTGTTATGGGCTCCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1857
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Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939

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RESULT 13
US-09-759-143-110
; Sequence 110, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-110

Query Match 100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGGCTGGCTAGCAGGCTGCTGCGCGGATCCAGGCGCTGGAGCTGGCACTGCT 60
DB 598 GCGCGGCTGGCTAGCAGGCTGCTGCGCGGATCCAGGCGCTGGAGCTGGCACTGCT 657
QY 61 CATCTGCGCGTGGGCTGCTGGACTCTGTGGCCAGGCTGTCTTCACTCACTGGAGGC 120
DB 658 CATCTGCGCGTGGGCTGCTGGACTCTGTGGCCAGGCTGTCTTCACTCACTGGAGGC 717
QY 121 CCGTCTCTGACCTCTTCCGGGACCGGACCACTGTGCGGAGGCTACTCTGTCTATGC 180
DB 718 CCGTCTCTGACCTCTTCCGGGACCGGACCACTGTGCGGAGGCTACTCTGTCTATGC 777
QY 181 CTTATGATCAGCTCTTGGGGCTGCTGGGCTACTCTGCTGCTGCACTGGGACAC 240
DB 778 CTTATGATCAGCTCTTGGGGCTGCTGGGCTACTCTGCTGCTGCACTGGGACAC 837
QY 241 CAGTGCCCTGCGCCCTACTCTGGGACCGGAGGAGTGCCTCTTGTGCGCTGCTCACT 300
DB 838 CAGTGCCCTGCGCCCTACTCTGGGACCGGAGGAGTGCCTCTTGTGCGCTGCTCACT 897
QY 301 CATCTCTCTCAGCTGAGGACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB 898 CATCTCTCTCAGCTGAGGACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 957
QY 361 CACGAGGACGAGAGGCTGCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 958 CACGAGGACGAGAGGCTGCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1017
QY 421 GCGCGCTGCTGCTTCCGGAACCTGGGCGCTGCTTCCCGGCTGCACTGCTGCTGCT 480
DB 1018 GCGCGCTGCTGCTTCCGGAACCTGGGCGCTGCTTCCCGGCTGCACTGCTGCTGCT 1077
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RESULT 14
US-09-651-236-110
; Sequence 110, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.

```

APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.42718C18
CURRENT APPLICATION NUMBER: US/09/651,236
CURRENT FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 865
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 110
LENGTH: 3410
TYPE: DNA
ORGANISM: Homo sapien
US-09-651-236-110

Query Match 100.0%; Score 1342; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGCTGGCTAGCAGGGCTGCTGTGCCCGATCCAGGCCCTGGAGCTGGCACTGCT 60
Db 598 GGCGGCTGGCTAGCAGGGCTGCTGTGCCCGATCCAGGCCCTGGAGCTGGCACTGCT 657

Qy 61 CATCTGGGCTGGGCTGCTGGACTTCTGTGGCAGGTGTCTTCACTCACTGGAGGC 120
Db 658 CATCTGGGCTGGGCTGCTGGACTTCTGTGGCAGGTGTCTTCACTCACTGGAGGC 717

Qy 121 CCTGCTCTACCTTTCGGGACCCGGACCACTGTGCCAGGCTACTGTCTATGC 180
Db 718 CCTGCTCTACCTTTCGGGACCCGGACCACTGTGCCAGGCTACTGTCTATGC 777

Qy 181 CTTATGATAGTCTTGGGGCTGCTGGGCTACTCTCTGCTGCTGCTAGTGGAC 240
Db 778 CTTATGATAGTCTTGGGGCTGCTGGGCTACTCTCTGCTGCTGCTAGTGGAC 837

Qy 241 CAGTGGCTGGCCCTTACCTTGGGACCCAGAGAGAGTCTCTTTGGCCCTGCTCACCT 300
Db 838 CAGTGGCTGGCCCTTACCTTGGGACCCAGAGAGAGTCTCTTTGGCCCTGCTCACCT 897

Qy 301 CATCTTCTACCTGCTAGCAGCCACACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db 898 CATCTTCTACCTGCTAGCAGCCACACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 957

Qy 361 CACGAGCAGCAGAGGGCTGTGGGCCCCCTCTTGTGCCCCCACTGCTGCTCATGCCG 420
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Qy 421 GGCGGCTGGCTTTCGGAACTCTGGGCGCCCTGCTTCCCGGCTGCAACCACTGTGCTG 480
Db 1018 GGCGGCTGGCTTTCGGAACTCTGGGCGCCCTGCTTCCCGGCTGCAACCACTGTGCTG 1077

Qy 481 CCGATGCCCCGACCTTGGCGGCTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
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Db 1198 CAGAGCTGAGCGGCGACCGAGGCCGAGACACTATGATGAGCGCTTGGATGGGCGAG 1257

Qy 661 CTTGGGCTGTTCTGAGTGGGCACTCTCCCTGCTCTTCTCTGCTGCTGCTGCTGCT 720
Db 1258 CTTGGGCTGTTCTGAGTGGGCACTCTCCCTGCTCTTCTCTGCTGCTGCTGCTGCT 1317

Qy 721 GGTGAGCGATTGCGCACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGC 780
Db 1318 GGTGAGCGATTGCGCACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGC 1377

Qy 781 TGCCGGTGCCACATGCTGCTGCCACAGTGTGGCGTGTGTGACAGCTTCAGCGGCCCTCAC 840
Db 1378 TGCCGGTGCCACATGCTGCTGCCACAGTGTGGCGTGTGTGACAGCTTCAGCGGCCCTCAC 1437

Qy 841 CGGGTTCACCTTCTCAGCCCTGAGATCCTGCCCTACACACTTGGCCTCCCTTACACCG 900
Db 1438 CGGGTTCACCTTCTCAGCCCTGAGATCCTGCCCTACACACTTGGCCTCCCTTACACCG 1497

Qy 901 GGAGAAGCAGGTTCCTGTCGCCAAATACCCAGGGGACACTGAGAGTGTAGCAGTGAGGA 960
Db 1498 GGAGAAGCAGGTTCCTGTCGCCAAATACCCAGGGGACACTGAGAGTGTAGCAGTGAGGA 1557

Qy 961 CAGCTGATGACAGCTTCTGTCAGGCCCTTAAGCTGAGAGTCTCTTCCCTAATGAGACA 1020
Db 1558 CAGCTGATGACAGCTTCTGTCAGGCCCTTAAGCTGAGAGTCTCTTCCCTAATGAGACA 1617

Qy 1021 CGTGGGTGCTGGAGGAGTGGCTGCTCCACCTCCACCCGCTCTGCGGGGCTCTGC 1080
Db 1618 CGTGGGTGCTGGAGGAGTGGCTGCTCCACCTCCACCCGCTCTGCGGGGCTCTGC 1677

Qy 1081 CTGTGATGCTCTCCGTAGCTGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGG 1140
Db 1678 CTGTGATGCTCTCCGTAGCTGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGG 1737

Qy 1141 CCGGGGCACTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db 1738 CCGGGGCACTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1797

Qy 1201 CCCATCCCTGTTTATGGGCTCCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
Db 1798 CCCATCCCTGTTTATGGGCTCCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1857

Qy 1261 GTCTGCGCAGGCGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Db 1858 GTCTGCGCAGGCGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1917

Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939

RESULT 15

US-09-636-215-703
Sequence 703, Application US/09636215
Patent No. 6620922

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.42717C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 852

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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-703

Query Match          61.0%; Score 819; DB 4; Length 2904;
Best Local Similarity 77.4%; Pred. No. 1.5e-194;
Matches 1170; Conserved 0; Mismatches 0; Indels 341; Gaps 1;

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QY 413 CCATGCCGGGCCCCCTGCTGCTTCCGGAACCTGGGGGCCCTGCTTCCCGGCTGACCCAG 472
Db 241 CCATGCCGGGCCCCCTGCTGCTTCCGGAACCTGGGGGCCCTGCTTCCCGGCTGACCCAG 300

QY 473 CTGTGCTGCGCATGCCCCGCAACCTGGGCCGCTCTTCTGCTGGCTGAGCTGTGCAAGCTGG 532
Db 301 CTGTGCTGCGCATGCCCCGCAACCTGGGCCGCTCTTCTGCTGGCTGAGCTGTGCAAGCTGG 360

QY 533 ATGGACATCATGACCTTACGCTGTTTACGAGATTTGTTGGGCGAGGGGCTGTACGAG 592
Db 361 ATGGCACTCATGACCTTACGCTGTTTACGAGATTTGTTGGGCGAGGGGCTGTACGAG 420

QY 593 GSGCTGCCAGAGCTGAGCCGGGACCCGAGGCCCGGAGACACTATGATGAA----- 643
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QY 644 ----- 643
Db 481 CTGGCTGCTCTAGGAGTCTGATCAGAGTCTGTTGCCCTTTCAGAGGAGGAGCGGA 540

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Db 541 GCTTATTCAAAGTCTAGAGGGAGTGGAGGTTAAGGCTGGATTTTCAGATCTGCTGGTT 600

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QY 672 TCCTCAGTGCCTCCTCTCTGCTGCTTCTCTCTGCTGATGACCGGCTGTGTGACGCGAT 731
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Db 1201 GAGGAGTGGCTGCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGCTGTGTATGTCT 1260
QY 1092 CCCTACGTGTGGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGCCGGGGCATCT 1151
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QY 1332 CCAATACTCA 1342
Db 1501 CCAATACTCA 1511
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GenCore version 5.1.6
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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
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- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1342	100.0	1662	16	US-10-005-907-12 Sequence 12, Appl
2	1342	100.0	1662	17	US-10-295-027-547 Sequence 547, App
3	1342	100.0	2133	15	US-10-296-770-3 Sequence 3, Appli
4	1342	100.0	2582	17	US-10-295-027-901 Sequence 901, App
5	1342	100.0	3320	9	US-09-838-785-1 Sequence 1, Appli
6	1342	100.0	3332	21	US-10-936-626-21 Sequence 21, Appl
7	1342	100.0	3332	21	US-10-938-061-21 Sequence 21, Appl

8	1342	100.0	3410	9	US-09-745-288-100	Sequence 100, App
9	1342	100.0	3410	9	US-09-759-143-110	Sequence 110, App
10	1342	100.0	3410	9	US-09-780-669-110	Sequence 110, App
11	1342	100.0	3410	9	US-09-030-806-110	Sequence 110, App
12	1342	100.0	3410	9	US-09-822-827-110	Sequence 110, App
13	1342	100.0	3410	9	US-09-115-453-110	Sequence 110, App
14	1342	100.0	3410	9	US-09-232-880-110	Sequence 110, App
15	1342	100.0	3410	9	US-09-895-793-110	Sequence 110, App
16	1342	100.0	3410	9	US-09-895-814-110	Sequence 110, App
17	1342	100.0	3410	13	US-10-012-896-110	Sequence 110, App
18	1342	100.0	3410	14	US-10-010-940-110	Sequence 110, App
19	1342	100.0	3410	16	US-10-144-678A-110	Sequence 110, App
20	1342	100.0	3410	16	US-10-294-025-110	Sequence 110, App
21	1342	100.0	3410	18	US-10-453-919-100	Sequence 100, App
22	1342	100.0	3410	19	US-10-688-838-110	Sequence 110, App
23	1340.4	99.9	1702	19	US-10-403-142-1	Sequence 1, Appli
24	886.4	66.1	918	16	US-10-144-678A-1027	Sequence 1027, App
25	886.4	66.1	918	16	US-10-294-025-1027	Sequence 1027, App
26	819	61.0	2904	9	US-09-759-143-703	Sequence 703, App
27	819	61.0	2904	9	US-09-780-669-703	Sequence 703, App
28	819	61.0	2904	9	US-09-822-827-703	Sequence 703, App
29	819	61.0	2904	9	US-09-895-793-703	Sequence 703, App
30	819	61.0	2904	9	US-09-895-814-703	Sequence 703, App
31	819	61.0	2904	13	US-10-012-896-703	Sequence 703, App
32	819	61.0	2904	16	US-10-144-678A-703	Sequence 703, App
33	819	61.0	2904	16	US-10-294-025-703	Sequence 703, App
34	763	56.9	2152	9	US-09-841-894-16	Sequence 16, Appl
35	755	56.3	2143	9	US-09-841-894-15	Sequence 15, Appl
36	711	53.0	741	16	US-10-144-678A-1026	Sequence 1026, App
37	711	53.0	741	16	US-10-294-025-1026	Sequence 1026, App
38	701.4	52.3	4034	9	US-09-759-143-704	Sequence 704, App
39	701.4	52.3	4034	9	US-09-780-669-704	Sequence 704, App
40	701.4	52.3	4034	9	US-09-822-827-704	Sequence 704, App
41	701.4	52.3	4034	9	US-09-895-793-704	Sequence 704, App
42	701.4	52.3	4034	9	US-09-895-814-704	Sequence 704, App
43	701.4	52.3	4034	13	US-10-012-896-704	Sequence 704, App
44	701.4	52.3	4034	16	US-10-144-678A-704	Sequence 704, App
45	701.4	52.3	4034	16	US-10-294-025-704	Sequence 704, App

ALIGNMENTS

RESULT 1

US-10-005-907-12
; Sequence 12, Application US/10005907
; Publication No. US20030166881A1
; GENERAL INFORMATION:
; APPLICANT: Union Chimique Belge, S.A.
; APPLICANT: No. US20030166881A1, Karl
; APPLICANT: Pirozzi, Gregory
; APPLICANT: Einstein, Richard
; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
; FILE OF INVENTION: ACTIVATION
; FILE REFERENCE: 053529-5005
; CURRENT APPLICATION NUMBER: US/10/005,907
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match 100.0%; Score 1342; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCCGGATCCCAAGGCCCTTGGAGCTGGCACTGCT 60
Db 315 GCGCGCTGGCTAGCAGGGCTGCTGTGCCCCGGATCCCAAGGCCCTTGGAGCTGGCACTGCT 374
QY 61 CATCTCTGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTCTTCACTCCACATGGAGGC 120
Db 375 CATCTCTGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTCTTCACTCCACATGGAGGC 434
QY 121 CTTGCTCTCTGACCTCTTCCGGGACCCCGACCACTGTGCGCCAGGCTACTCTGTCTATGC 180
Db 435 CTTGCTCTCTGACCTCTTCCGGGACCCCGACCACTGTGCGCCAGGCTACTCTGTCTATGC 494
QY 181 CTTGATGATCAGTCTTGGGGCTGCTGGGGTACCTCTCTGCTGCTGCATTTGACTGGGACAC 240
Db 495 CTTGATGATCAGTCTTGGGGCTGCTGGGGTACCTCTCTGCTGCTGCATTTGACTGGGACAC 554
QY 241 CAGTGGCTGGCCCCCTACCTGGGACCCAGGAGAGTGCCTTTTGGCTGCTCACCCCT 300
Db 555 CAGTGGCTGGCCCCCTACCTGGGACCCAGGAGAGTGCCTTTTGGCTGCTCACCCCT 614
QY 301 CATCTTCTCTACCTGCTAGCAGCCACACACTGTGTGTGCTGAGGAGGCTGGGGCC 360
Db 615 CATCTTCTCTACCTGCTAGCAGCCACACACTGTGTGTGCTGAGGAGGCTGGGGCC 674
QY 361 CACCAGGACGAGAAAGGCTGTGGGGCCCTCTTGTGCGCCCACTGCTGTCCATGCGG 420
Db 675 CACCAGGACGAGAAAGGCTGTGGGGCCCTCTTGTGCGCCCACTGCTGTCCATGCGG 734
QY 421 GCGCGCTTGGCTTTCGGGAACCTGGGCGCCCTGCTTCCCGGCTGCACAGCTGTGCTG 480
Db 735 GCGCGCTTGGCTTTCGGGAACCTGGGCGCCCTGCTTCCCGGCTGCACAGCTGTGCTG 794
QY 481 CCGCATGCCCCGACCCCTGCGCGGCTCTTCTGTGCTGAGCTGTGCACTGGATGCGCACT 540
Db 795 CCGCATGCCCCGACCCCTGCGCGGCTCTTCTGTGCTGAGCTGTGCACTGGATGCGCACT 854
QY 541 CATGACCTTACGCTGTTTACCGGATTTCTGTGGCGAGGGCTGTATACAGGGGCTGCC 600
Db 855 CATGACCTTACGCTGTTTACCGGATTTCTGTGGCGAGGGCTGTATACAGGGGCTGCC 914
QY 601 CAGAGCTGAGCCGGGACCGAGGCGCGGAGACACTATGATGAAGCGTTTCGATGGGCGAG 660
Db 915 CAGAGCTGAGCCGGGACCGAGGCGCGGAGACACTATGATGAAGCGTTTCGATGGGCGAG 974
QY 661 CTTGGGGCTGTTCTCTGCACTGCGCCATCTCCCTGTGCTTCTCTCTGTGTCATGGACCGCT 720
Db 975 CTTGGGGCTGTTCTCTGCACTGCGCCATCTCCCTGTGCTTCTCTCTGTGTCATGGACCGCT 1034
QY 721 GGTGAGCGATTCGGCACTCGAGCACTATTTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 780
Db 1035 GGTGAGCGATTCGGCACTCGAGCACTATTTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 1094
QY 781 TGCCGGTGCCACATCGCTGTCACAGTGTGCGCTGTGAGCTTCAGCGCCCTCAC 840
Db 1095 TGCCGGTGCCACATCGCTGTCACAGTGTGCGCTGTGAGCTTCAGCGCCCTCAC 1154
QY 841 CCGGTTTACCTTCTCAGCCCTGCAGATCTGCGCTTACACACTGCGCTCCCTCTACACCG 900
Db 1155 CCGGTTTACCTTCTCAGCCCTGCAGATCTGCGCTTACACACTGCGCTCCCTCTACACCG 1214
QY 901 GGAGAGCAGGTGTTCTGCGCCCAATACCGAGGGGACACTGAGGTGCTAGCAGTGAGGA 960
Db 1215 GGAGAGCAGGTGTTCTGCGCCCAATACCGAGGGGACACTGAGGTGCTAGCAGTGAGGA 1274
QY 961 CAGCCTGATGACAGCTTCTGCGAGGCGCTAAGCTTGGAGCTCCCTTCCCTTAATGGACA 1020
Db 1275 CAGCCTGATGACAGCTTCTGCGAGGCGCTAAGCTTGGAGCTCCCTTCCCTTAATGGACA 1334
QY 1021 CTTGGGTGCTGAGGAGTGGCTGCTCCACCTTCCACCGCGCTCTGCGGGGCTCTGCG 1080
Db 1335 CTTGGGTGCTGAGGAGTGGCTGCTCCACCTTCCACCGCGCTCTGCGGGGCTCTGCG 1394
QY 1081 CTGTGATGTTCCGTACGTGTGGTGGTGGAGGCGCCACCGAGGCGGCTGGTTCGGG 1140

Db 1395 CTGTGATGTTCCCGTACCTGTGTGGTGGTGGAGCCACCGAGGCGAGGGTGGTTCGGG 1454
QY 1441 CCGGGGCACTGCGCTCGACCTCGCATCCTGGATAGTGCCTTCTCTGTGTCCAGGTGGC 1200
Db 1455 CCGGGGCACTGCGCTCGACCTCGCATCCTGGATAGTGCCTTCTCTGTGTCCAGGTGGC 1514
QY 1201 CCCATCCCTGTTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCTACTGCTATATGGT 1260
Db 1515 CCCATCCCTGTTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCTACTGCTATATGGT 1574
QY 1261 GTCTGCCGCGAGGCTGGGTCTGGTCCGCAATTAATTTGCTACACAGGTAGTATTTGACAA 1320
Db 1575 GTCTGCCGCGAGGCTGGGTCTGGTCCGCAATTAATTTGCTACACAGGTAGTATTTGACAA 1634
QY 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1635 GAGCGACTTGGCCAAATACTCA 1656
RESULT 2
US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT FILING DATE: 2002-11-13
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US 60/356,714
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547
Query Match 100.0%; Score 1342; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGCCGGCTTGGCTACGAGGGCTGTGTGTGCGCGGATCCGAGGCCCTTGAGAGCTGGCACTGCT	60
Db	315	GGCCGGCTTGGCTACGAGGGCTGTGTGTGCGCGGATCCGAGGCCCTTGAGAGCTGGCACTGCT	374
Qy	61	CATCCTGGGGCTGGGGCTGTGGAGCTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC	120
Db	375	CATCCTGGGGCTGGGGCTGTGGAGCTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC	434
Qy	121	CTTGCTCTCTGACCTCTTCCGGGACCCGGGACCACTGTGCGCAGGCGCTACTCTGTCTATGC	180
Db	435	CTTGCTCTCTGACCTCTTCCGGGACCCGGGACCACTGTGCGCAGGCGCTACTCTGTCTATGC	494
Qy	181	CTTCATGATCAGTCTTGGGGCTGCCCTGGGGTACTCTCTGCTGCGCAATGTACTGGGACAC	240
Db	495	CTTCATGATCAGTCTTGGGGCTGCCCTGGGGTACTCTCTGCTGCGCAATGTACTGGGACAC	554
Qy	241	CAGTGCCCTGGCCCCCTACCTGGGACCCAGGAGGAGTGCTCTTTTGGCCTGTCTACGCT	300
Db	555	CAGTGCCCTGGCCCCCTACCTGGGACCCAGGAGGAGTGCTCTTTTGGCCTGTCTACGCT	614
Qy	301	CATCTTCTCCTCACCTGTAGCAGCCACACTGTCTGGTGGCTGAGGAGCAGCGCTGGGCCC	360
Db	615	CATCTTCTCCTCACCTGTAGCAGCCACACTGTCTGGTGGCTGAGGAGCAGCGCTGGGCCC	674
Qy	361	CACGAGCAGCAGAGAGGGCTGTGCGGCCCTCTCTGTGCGCCCACTGTCTGTCATGCGG	420
Db	675	CACGAGCAGCAGAGAGGGCTGTGCGGCCCTCTCTGTGCGCCCACTGTCTGTCATGCGG	734
Qy	421	GGCCCGCTTGGCTTTCGGAACTGGGGGGCCCTGCTTCCCGGCTGCACAGCTGTGCTG	480
Db	735	GGCCCGCTTGGCTTTCGGAACTGGGGGGCCCTGCTTCCCGGCTGCACAGCTGTGCTG	794
Qy	481	CCGATGCCCCGCACTGCGCCGGCTCTTCTGGTGGCTGTGAGCTGTGAGCTGGATGGCACT	540
Db	795	CCGATGCCCCGCACTGCGCCGGCTCTTCTGGTGGCTGTGAGCTGTGAGCTGGATGGCACT	854
Qy	541	CATGACCTTCACTGTGTTTACACGGATTTCTGTTGGCGAGGGGCTGTACAGGGCGTGCC	600
Db	855	CATGACCTTCACTGTGTTTACACGGATTTCTGTTGGCGAGGGGCTGTACAGGGCGTGCC	914
Qy	601	CAGAGCTGAGCCGGGACCGAGGCCCGGAGACACTATGATGAGGCGTTCCGGATGGGCG	660
Db	915	CAGAGCTGAGCCGGGACCGAGGCCCGGAGACACTATGATGAGGCGTTCCGGATGGGCG	974
Qy	661	CTTGGGGCTGTTCTCTCAGTGCAGCTATCTCCCTGGTCTTCTCTGTGTATGACACCGCT	720
Db	975	CTTGGGGCTGTTCTCTCAGTGCAGCTATCTCCCTGGTCTTCTCTGTGTATGACACCGCT	1034
Qy	721	GGTGACCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGC	780
Db	1035	GGTGACCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGC	1094
Qy	781	TGCCGGTGCACATGCTCTGCCACAGTGTGGCCGCTGGTGACAGCTTCAGCGCGCTCAC	840
Db	1095	TGCCGGTGCACATGCTCTGCCACAGTGTGGCCGCTGGTGACAGCTTCAGCGCGCTCAC	1154
Qy	841	CGGGTTCACCTTCTCAGCCCTGCAGATCTCGCCCTACACACTGCGCTCCCTTACCAACCG	900
Db	1155	CGGGTTCACCTTCTCAGCCCTGCAGATCTCGCCCTACACACTGCGCTCCCTTACCAACCG	1214
Qy	901	GGAGAAGCAGGTGTTCTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAAGA	960
Db	1215	GGAGAAGCAGGTGTTCTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAAGA	1274
Qy	961	CAGCCTGATGACAGCTTCTTGCCAGGCGCTTAAGCCTGGAGCTCCCTTCCCTAATGACA	1020
Db	1275	CAGCCTGATGACAGCTTCTTGCCAGGCGCTTAAGCCTGGAGCTCCCTTCCCTAATGACA	1334
Qy	1021	CGTGGGTCTGGAGGCAAGTGCCTGCTCCCACTCCACCGCGCTCTGTGGGGGCTCTGCG	1080
Db	1335	CGTGGGTCTGGAGGCAAGTGCCTGCTCCCACTCCACCGCGCTCTGTGGGGGCTCTGCG	1394
Qy	1081	CTGTGATGTCTTCCGTACGTGTGTGGTGGGTGAGCCCAACGAGGCGCAGGGTGGTTCGGG	1140

Db	1395	CTGTGATGTCCTCGTACGTGTGGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGG	1454
Qy	1141	CGGGGGCATCTGCCTGGACCTCGCCATCCTGGATAGTGCTTCTCTGCTGTCCACAGTGGC	1200
Db	1455	CGGGGGCATCTGCCTGGACCTCGCCATCCTGGATAGTGCTTCTCTGCTGTCCACAGTGGC	1514
Qy	1201	CCCATCCCTGTTTATGGGCTCCATGTTCCAGCTCAGCCAGTCTGTCACTGCTATATGGT	1260
Db	1515	CCCATCCCTGTTTATGGGCTCCATGTTCCAGCTCAGCCAGTCTGTCACTGCTATATGGT	1574
Qy	1261	GTCTGCGCAGGCGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTTGACAA	1320
Db	1575	GTCTGCGCAGGCGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTTGACAA	1634
Qy	1321	GAGCGACTTTGGCCAAATACTCA	1342
Db	1635	GAGCGACTTTGGCCAAATACTCA	1656

RESULT 3
 US-10-296-770-3
 ; Sequence 3, Application US/10296770
 ; Publication No. US20030104570A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cabazon Silva, Teresa Elisa Virginia
 ; APPLICANT: Delisse, Anne-Marie Eva Fernande
 ; TITLE OF INVENTION: Triple Fusion Proteins Comprising
 ; TITLE OF INVENTION: Ubiquitin Fused Between Thioredoxin and a Polypeptide of
 ; TITLE OF INVENTION: Interest
 ; FILE REFERENCE: B45221
 ; CURRENT APPLICATION NUMBER: US/10/296,770
 ; CURRENT FILING DATE: 2002-12-13
 ; PRIOR APPLICATION NUMBER: PCT/EP01/06952
 ; PRIOR FILING DATE: 2001-06-19
 ; PRIOR APPLICATION NUMBER: GB 0015619.0
 ; PRIOR FILING DATE: 2000-06-26
 ; PRIOR APPLICATION NUMBER: GB 0026484.6
 ; PRIOR FILING DATE: 2000-10-30
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 2133
 ; TYPE: DNA
 ; ORGANISM: Chimaeric (E. coli - human)
 ; US-10-296-770-3

Query Match	100.0%;	Score 1342;	DB 15;	Length 2133;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1342;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GGCCGGCTGGCTAGCAGGGCTCTGTGCCGGATCCAGGCCCTGGAGCTGGCACTGCT	60	
Db	762	GGCCGGCTGGCTAGCAGGGCTCTGTGCCGGATCCAGGCCCTGGAGCTGGCACTGCT	821	
Qy	61	CATCCTGGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC	120	
Db	822	CATCCTGGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC	881	
Qy	121	CTGTCTCTGACCTCTTCCGGGACCCGGACCACTGTGCCAGGGCTACTCTGTCTATGC	180	
Db	882	CTGTCTCTGACCTCTTCCGGGACCCGGACCACTGTGCCAGGGCTACTCTGTCTATGC	941	
Qy	181	CTTTCATGATCAGTCTTTGGGGGCTGCTGGGCTACCTCTGCTGCCATTGACTGGGACAC	240	
Db	942	CTTTCATGATCAGTCTTTGGGGGCTGCTGGGCTACCTCTGCTGCCATTGACTGGGACAC	1001	
Qy	241	CAGTGGCCCTGGCCCCCTACTCTGGGCACCCAGAGGAGTGCCTCTTTTGGCCTGCTCACCCCT	300	
Db	1002	CAGTGGCCCTGGCCCCCTACTCTGGGCACCCAGAGGAGTGCCTCTTTTGGCCTGCTCACCCCT	1061	
Qy	301	CATCTTCTCTCACTGCGTAGCAGGCACACTGCTGTGTGGCTAGGAGGCAGCGCTGGGGCCC	360	

Db 864 CAGTGCCTGGCCCCCTACCTACCTGGGCACCCAGAGGAGTGCCCTCTTTGGCCCTGCACCCCT 923
Qy 301 CATCTTCCTACCTGCGTAGCAGGCACACACTGCTGTGGCTGAGGAGGAGCGCTGGGGCC 360
Db 924 CATCTTCCTACCTGCGTAGCAGGCACACACTGCTGTGGCTGAGGAGGAGCGCTGGGGCC 983
Qy 361 CACGAGCCAGCAGAGGGCTGTGGGCCCTCTCTGTGGCCCCACCTGCTGTCCATGCGG 420
Db 984 CACGAGCCAGCAGAGGGCTGTGGGCCCTCTCTGTGGCCCCACCTGCTGTCCATGCGG 1043
Qy 421 GGCCCGCTTGGCTTTCGGAACCTGGGGCCCTGCTTCCCGGCTGACACAGCTGTGTG 480
Db 1044 GGCCCGCTTGGCTTTCGGAACCTGGGGCCCTGCTTCCCGGCTGACACAGCTGTGTG 1103
Qy 481 CCGCATGCCCGCACCTCGCCGCTCTGTGGCTGAGCTGTGACGTGTGAGTGGCACT 540
Db 1104 CCGCATGCCCGCACCTCGCCGCTCTGTGGCTGAGCTGTGAGCTGTGAGTGGCACT 1163
Qy 541 CATGACCTTCACGCTGTTTACCGGATTTCTGTGGCGAGGGCTGTACCGAGGCGGTGCC 600
Db 1164 CATGACCTTCACGCTGTTTACCGGATTTCTGTGGCGAGGGCTGTACCGAGGCGGTGCC 1223
Qy 601 CAGAGCTAGCCGGGACCGAGGCCGAGACACTATGATGAAGCGTTCCGATGGGCG 660
Db 1224 CAGAGCTAGCCGGGACCGAGGCCGAGACACTATGATGAAGCGTTCCGATGGGCG 1283
Qy 661 CCTGGGCTGTTCTGCACTGGCCATCTCCCTGCTTCTCTCTGCTGTCAGGACCGCT 720
Db 1284 CCTGGGCTGTTCTGCACTGGCCATCTCCCTGCTTCTCTCTGCTGTCAGGACCGCT 1343
Qy 721 GGTGAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 780
Db 1344 GGTGAGCGATTCGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 1403
Qy 781 TGCCTGTCACATGCTGTCGCCAGTGTGGCGGTGTGACAGCTTCAGCGCGCTTCAC 840
Db 1404 TGCCTGTCACATGCTGTCGCCAGTGTGGCGGTGTGACAGCTTCAGCGCGCTTCAC 1463
Qy 841 CGGGTTACCTTCTCAGCCCTGAGATCTGCCCTACACACTGGCCCTCCCTTACCAACG 900
Db 1464 CGGGTTACCTTCTCAGCCCTGAGATCTGCCCTACACACTGGCCCTCCCTTACCAACG 1523
Qy 901 GGAGAAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGA 960
Db 1524 GGAGAAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGA 1583
Qy 961 CAGCTGATGACACAGCTTCTGCCAGGCCCTTAAGCTTGGAGCTCCCTTCCCTAATGAGCA 1020
Db 1584 CAGCTGATGACACAGCTTCTGCCAGGCCCTTAAGCTTGGAGCTCCCTTCCCTAATGAGCA 1643
Qy 1021 CGTGGGTGCTGGAGGAGTGGCTGCTCCACCTCCACCGGCTCTGCGGGGCTCTGC 1080
Db 1644 CGTGGGTGCTGGAGGAGTGGCTGCTCCACCTCCACCGGCTCTGCGGGGCTCTGC 1703
Qy 1081 CTGTGATGCTCTCCGTACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGG 1140
Db 1704 CTGTGATGCTCTCCGTACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGG 1763
Qy 1141 CCGGGGATCTGCTCGGACCTGGCCATCTCGATAGTCCCTTCTGCTGTCCCAAGGTGGC 1200
Db 1764 CCGGGGATCTGCTCGGACCTGGCCATCTCGATAGTCCCTTCTGCTGTCCCAAGGTGGC 1823
Qy 1201 CCCATCCCTGTTATGGGCTCATTTGCTCAGCTCAGCCAGTCTGTCTGCTATATGGT 1260
Db 1824 CCCATCCCTGTTATGGGCTCATTTGCTCAGCTCAGCCAGTCTGTCTGCTATATGGT 1883
Qy 1261 GTCTCCCGAGGCTGGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTGACAA 1320
Db 1884 GTCTCCCGAGGCTGGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTGACAA 1943
Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1944 GAGCGACTTGGCCAAATACTCA 1965

RESULT 5

US-09-838-785-1
; Sequence 1, Application US/09838785
; Patent No. US2002009455A1
; GENERAL INFORMATION:

APPLICANT: Lau, Ted
APPLICANT: Lin, Rick
APPLICANT: Parkes, Debbie
APPLICANT: Parry, Gordon
APPLICANT: Schneider, Douglas
APPLICANT: Steinbrecher, Renate
APPLICANT: Van Heuit, Pam T
APPLICANT: Wu, John

FILE OF INVENTION: DNA Encoding a No. US2002009455A1el PROST 03
FILE REFERENCE: 51831AUSM1
CURRENT APPLICATION NUMBER: US/09/838,785
CURRENT FILING DATE: 2001-04-20
PRIOR APPLICATION NUMBER: 60/200,065
PRIOR FILING DATE: 2000-04-27

NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1

LENGTH: 3320
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (282)..(1943)
US-09-838-785-1

Query Match 100.0%; Score 1342; DB 9; Length 3320;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCGGCTGGCTAGCAGGGCTGTGTGCCGGATCCAGGCCCTGGAGCTGGCACTGCT 60
Db 596 GGGCGGCTGGCTAGCAGGGCTGTGTGCCGGATCCAGGCCCTGGAGCTGGCACTGCT 655
Qy 61 CATCTTGGGCTGGGGCTGTGAGCTTCTGTGGCCAGGTGTCTTCACTTCACTGGAGGC 120
Db 656 CATCTTGGGCTGGGGCTGTGAGCTTCTGTGGCCAGGTGTCTTCACTTCACTGGAGGC 715
Qy 121 CTTGCTCTGTGACCTTTCGGGACCCGAGCCACTGTGCGCAGGCTTCTGTCTATGC 180
Db 716 CTTGCTCTGTGACCTTTCGGGACCCGAGCCACTGTGCGCAGGCTTCTGTCTATGC 775
Qy 181 CTTGATGATCAGTCTTGGGGCTGCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Db 776 CTTGATGATCAGTCTTGGGGCTGCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 835
Qy 241 CAGTGGCTGGCCCCCTTACCTTGGGACCCAGGAGAGTGCCTCTTTGGCCTGCTCACCCT 300
Db 836 CAGTGGCTGGCCCCCTTACCTTGGGACCCAGGAGAGTGCCTCTTTGGCCTGCTCACCCT 895
Qy 301 CATCTTCTCCTCCTGCTAGCAGCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db 896 CATCTTCTCCTCCTGCTAGCAGCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 955
Qy 361 CACGAGCCAGCAGAGGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGCTGCTGCTGCTGCTGCT 420
Db 956 CACGAGCCAGCAGAGGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGCTGCTGCTGCTGCTGCT 1015
Qy 421 GGCCCGCTTGGCTTTCGGGAACCTTGGGGCCCTTGTCCCGGCTGCAACAGCTGTGTG 480
Db 1016 GGCCCGCTTGGCTTTCGGGAACCTTGGGGCCCTTGTCCCGGCTGCAACAGCTGTGTG 1075
Qy 481 CCGCATGCCCGCACCTCGCCGCTTTCGCTGGCTGAGCTGTGAGCTGTGAGTGGCACT 540
Db 1076 CCGCATGCCCGCACCTCGCCGCTTTCGCTGGCTGAGCTGTGAGTGGCACT 1135
Qy 541 CATGACCTTACGCTGTTTACAGCGATTTCTGGGGGAGGGGCTGTACCGAGGCGGTGCC 600

Db 1136 CATGACCTTACGCTGTTTACAGATTCGTGGCGCAGGGGCTGTACCAAGGCGTGCC 1195
Qy 601 CAGAGCTCAGCGCGGACCGAGGCGCGGAGACACTATGATGAAGCGTTCCGATGGGCG 660
Db 1196 CAGAGCTCAGCGCGGACCGAGGCGCGGAGACACTATGATGAAGCGTTCCGATGGGCG 1255
Qy 661 CTTGGGGCTGTTTCCTCAGTGGCCCATCTCCCTGGTCTTCTCTGGTCTATGGACCGGCT 720
Db 1256 CTTGGGGCTGTTTCCTCAGTGGCCCATCTCCCTGGTCTTCTCTGGTCTATGGACCGGCT 1315
Qy 721 GGTGAGGATTCGGGACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 780
Db 1316 GGTGAGGATTCGGGACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 1375
Qy 781 TGCCGGTGCACATGCTGTCCTCCACAGTGTGGCCGTGGTGGACAGCTTCAGCGCCCTCAC 840
Db 1376 TGCCGGTGCACATGCTGTCCTCCACAGTGTGGCCGTGGTGGACAGCTTCAGCGCCCTCAC 1435
Qy 841 CGGGTTACCTTCTCAGCCCTGCAGATCCTGCGCTTACACACTGGGCTCCCTCTACACCG 900
Db 1436 CGGGTTACCTTCTCAGCCCTGCAGATCCTGCGCTTACACACTGGGCTCCCTCTACACCG 1495
Qy 901 GGAGAGCAGGTGTTCTGCGCCCAATACGAGGGGACACTGAGAGTGTAGCAGTGAAGA 960
Db 1496 GGAGAGCAGGTGTTCTGCGCCCAATACGAGGGGACACTGAGAGTGTAGCAGTGAAGA 1555
Qy 961 CAGCCTGATGACACGCTTCTGCGCAGGCGCTTAAGCTCGAGCTCCCTTCCCTATGGACA 1020
Db 1556 CAGCCTGATGACACGCTTCTGCGCAGGCGCTTAAGCTCGAGCTCCCTTCCCTATGGACA 1615
Qy 1021 CTTGGGTGTGAGGACAGTGGCTCTCTCCACCTCCACCGGCTCTGCGGGGCTCTGCG 1080
Db 1616 CTTGGGTGTGAGGACAGTGGCTCTCTCCACCTCCACCGGCTCTGCGGGGCTCTGCG 1675
Qy 1081 GTGTGATGTCTCCGTACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1140
Db 1676 GTGTGATGTCTCCGTACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1735
Qy 1141 CCGGGGATCGCCTGGACCTCGCATCTCGATAGTGGCTTCCGTGCTGCTCCAGGTGGC 1200
Db 1736 CCGGGGATCGCCTGGACCTCGCATCTCGATAGTGGCTTCCGTGCTGCTCCAGGTGGC 1795
Qy 1201 CCCATCCCTGTTTATGGGCTCCATGTGCTCAGCTCAGCCAGTGTGTCACTGCTATATGGT 1260
Db 1796 CCCATCCCTGTTTATGGGCTCCATGTGCTCAGCTCAGCCAGTGTGTCACTGCTATATGGT 1855
Qy 1261 GTCTGCGGAGGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1320
Db 1856 GTCTGCGGAGGCTGGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1915
Qy 1321 GAGCGACTTGGCCAAATCTCA 1342
Db 1916 GAGCGACTTGGCCAAATCTCA 1937

RESULT 6
US-10-936-626-21
; Sequence 21, Application US/10936626
; Publication No. US2005010644A1
; GENERAL INFORMATION:
; APPLICANT: Cairns, Belinda
; APPLICANT: Chen, Ruihuan
; APPLICANT: Frantz, Gretchen
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Koepfen, Hartmut
; APPLICANT: Phillips, Heidi S.
; APPLICANT: Polakie, Paul
; APPLICANT: Spencer, Susan D.
; APPLICANT: Smith, Victoria
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wu, Thomas D.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Compositions and Methods for the Diagnosis and
; TITLE OF INVENTION: Treatment of Tumor
; FILE REFERENCE: P5001R1P1
; CURRENT APPLICATION NUMBER: US/10/936,626
; CURRENT FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: US 10/872,991
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/872,972
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/241,220
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 10/177,488
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 60/299,500
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: US 60/301,880
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/323,268
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 21
; LENGTH: 3332
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-936-626-21

Query Match 100.0%; Score 1342; DB 21; Length 3332;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGCGGCTGGCTAGCAGGGCTGTGTGCCGGATCCAGGCCCTTGAGCTGGGACTGCTGCT 60
Db 604 GGGCGGCTGGCTAGCAGGGCTGTGTGCCGGATCCAGGCCCTTGAGCTGGGACTGCTGCT 663
Qy 61 CATCTGGGCTGGGCTGTGGACTTCTGTGGCCAGGTGTCTTCACTCCACTGGAGGC 120
Db 664 CATCTGGGCTGGGCTGTGGACTTCTGTGGCCAGGTGTCTTCACTCCACTGGAGGC 723
Qy 121 CTTGCTCTGACCTTTCGGGACCCCGACCACTGTGCCAGGCCTACTCTGTCTATGC 180
Db 724 CTTGCTCTGACCTTTCGGGACCCCGACCACTGTGCCAGGCCTACTCTGTCTATGC 783
Qy 181 CTTGCTCTGACCTTTCGGGACCCCGACCACTGTGCCAGGCCTACTCTGTCTATGC 240
Db 784 CTTGCTCTGACCTTTCGGGACCCCGACCACTGTGCCAGGCCTACTCTGTCTATGC 843
Qy 241 CAGTGGCTTGGCCCTTACCTGGGACCCAGGAGGTGCTCTTTGGCCTGTCTCACCCT 300
Db 844 CAGTGGCTTGGCCCTTACCTGGGACCCAGGAGGTGCTCTTTGGCCTGTCTCACCCT 903
Qy 301 CATCTTCTCCTACCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGCAGCGCTGGGCC 360
Db 904 CATCTTCTCCTACCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGCAGCGCTGGGCC 963
Qy 361 CAGGAGCCAGCAGAGGGCTGTGGGCCCTCTTGTGGCCCTACTGTCTTCCATGGCG 420
Db 964 CAGGAGCCAGCAGAGGGCTGTGGGCCCTCTTGTGGCCCTACTGTCTTCCATGGCG 1023
Qy 421 GGGCCGCTTGGCTTTCGGGAACCTGGGCGCCCTGCTTCCCGGCTGACACAGCTGTGCTG 480
Db 1024 GGGCCGCTTGGCTTTCGGGAACCTGGGCGCCCTGCTTCCCGGCTGACACAGCTGTGCTG 1083
Qy 481 CCGCATGCCCGCACCTGCGCGCGGCTCTTGTGGCTGAGCTGTGAGCTGGAGTGGCACT 540
Db 1084 CCGCATGCCCGCACCTGCGCGCGGCTCTTGTGGCTGAGCTGTGAGCTGGAGTGGCACT 1143
Qy 541 CATGACCTTACGCTGTGTTTACACGGATTTTCGTTGGGCGAGGGGCTGTACACAGGCGTGCC 600
Db 1144 CATGACCTTACGCTGTGTTTACACGGATTTTCGTTGGGCGAGGGGCTGTACACAGGCGTGCC 1203

Qy 601 CAGAGCTGAGCGGSCACCGAGGCGCCGAGACACTATGATGAAGCGTTTCGATGGGCAG 660
Db 1204 CAGAGCTGAGCGGSCACCGAGGCGCCGAGACACTATGATGAAGCGTTTCGATGGGCAG 1263
Qy 661 CCTGGGCTGTTCTCTGAGTGCGGCATCTCCCTGGTCTTCTCTCTGGTTCATGGACCGGCT 720
Db 1264 CCTGGGCTGTTCTCTGAGTGCGGCATCTCCCTGGTCTTCTCTCTGGTTCATGGACCGGCT 1323
Qy 721 GGTGAGGAGTTCGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGC 780
Db 1324 GGTGAGGAGTTCGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGC 1383
Qy 781 TGGCGTSCACATGSCCTGTCCACAGTGTCGCGTGTGACAGCTTCAGCGCGCCCTCAC 840
Db 1384 TGGCGTSCACATGSCCTGTCCACAGTGTCGCGTGTGACAGCTTCAGCGCGCCCTCAC 1443
Qy 841 CGGGTTACCTTCTCAGCCCTGCAGATCTCTCCCTACACACTGGCCTCCCTCTACCAACG 900
Db 1444 CGGGTTACCTTCTCAGCCCTGCAGATCTCTCCCTACACACTGGCCTCCCTCTACCAACG 1503
Qy 901 GGAGAAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGAGAGTGTAGCAGTGAGGA 960
Db 1504 GGAGAAGCAGGTGTTCTGCCCAATACCGAGGGGACACTGAGAGTGTAGCAGTGAGGA 1563
Qy 961 CAGCTGATGACACAGCTTCTGCGAGGCGCTTAAGCCTGGAGCTCCCTTCCCTATGGACA 1020
Db 1564 CAGCTGATGACACAGCTTCTGCGAGGCGCTTAAGCCTGGAGCTCCCTTCCCTATGGACA 1623
Qy 1021 CGTGGGTGCTGGAGGAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGC 1080
Db 1624 CGTGGGTGCTGGAGGAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGC 1683
Qy 1081 CTGTGATGTTCTCGTACGTGTGGTGGTGAGCCCAACCGAGGCGAGGTGGTTCGGG 1140
Db 1684 CTGTGATGTTCTCGTACGTGTGGTGGTGAGCCCAACCGAGGCGAGGTGGTTCGGG 1743
Qy 1141 CCGGGGATCTGCTGGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCGCCAGGTGGC 1200
Db 1744 CCGGGGATCTGCTGGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCGCCAGGTGGC 1803
Qy 1201 CCCATCCCTGTTATGGGCTCCATGTCAGCTCAGCCAGTGTCTGCTACTGCTATATGGT 1260
Db 1804 CCCATCCCTGTTATGGGCTCCATGTCAGCTCAGCCAGTGTCTGCTACTGCTATATGGT 1863
Qy 1261 GTCTGCCGAGGCTGGTGTGGTGCCTATTTACTTTGCTACAGAGTGTATTTGACAA 1320
Db 1864 GTCTGCCGAGGCTGGTGTGGTGCCTATTTACTTTGCTACAGAGTGTATTTGACAA 1923
Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1924 GAGCGACTTGGCCAAATACTCA 1945

RESULT 7

US-10-938-061-21
; Sequence 21, Application US/10938061
; Publication No. US20050107595A1
; GENERAL INFORMATION:
; APPLICANT: Cairns, Belinda
; APPLICANT: Chen, Ruihuan
; APPLICANT: Frantz, Gretchen
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Koepfen, Hartmut
; APPLICANT: Phillips, Heidi S.
; APPLICANT: Polakis, Paul
; APPLICANT: Spencer, Susan D.
; APPLICANT: Smith, Victoria
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wu, Thomas D.
; APPLICANT: Zhang, Zemin
; APPLICANT: Sakanaka, Chie
; APPLICANT: Chuntharapai, Anan

; APPLICANT: Reed Chae J.
; TITLE OF INVENTION: Compositions and Methods for the Diagnosis and
; TITLE OF INVENTION: Treatment of Tumor
; FILE REFERENCE: PS00IRPIB
; CURRENT APPLICATION NUMBER: US/10/938,061
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 10/872,991
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/872,972
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/241,220
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 10/177,488
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 60/299,500
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: US 60/301,880
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/323,268
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 21
; LENGTH: 3332
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-938-061-21

Query Match 100.0%; Score 1342; DB 21; Length 3332;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGCGGCTGGCTAGCAGGGCTGTGTGTCGGGATCCAGGCCCTGGAGCTGGCACTGCT 60
Db 604 GGGCGGCTGGCTAGCAGGGCTGTGTGTCGGGATCCAGGCCCTGGAGCTGGCACTGCT 663
Qy 61 CATCTGGGCGTGGGCTGTGACATTTCTGTGGCAGGTGTGCTTCACTCCACATGGAGGC 120
Db 664 CATCTGGGCGTGGGCTGTGACATTTCTGTGGCAGGTGTGCTTCACTCCACATGGAGGC 723
Qy 121 CTGCTCTCTGACCTTTCCGGGACCCGGACACCTGTGCGCAGGCTACTGTGCTATGC 180
Db 724 CTTGCTCTGACCTTTCCGGGACCCGGACACCTGTGCGCAGGCTACTGTGCTATGC 783
Qy 181 CTTGCTCTGACCTTTCCGGGACCCGGACACCTGTGCGCAGGCTACTGTGCTATGC 240
Db 784 CTTGCTCTGACCTTTCCGGGACCCGGACACCTGTGCGCAGGCTACTGTGCTATGC 843
Qy 241 CAGTGCCTGGCCCTTACCTGGGACCCAGGAGAGTGTCTTTGGCTGTGCTACCCCT 300
Db 844 CAGTGCCTGGCCCTTACCTGGGACCCAGGAGAGTGTCTTTGGCTGTGCTACCCCT 903
Qy 301 CATCTTCTGACCTGTGACGACCACTGTGCTGGCTGAGGAGCGCGCTGGGCCC 360
Db 904 CATCTTCTGACCTGTGACGACCACTGTGCTGGCTGAGGAGCGCGCTGGGCCC 963
Qy 361 CACGAGCCAGCAGAGGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGTGCTCATGCCG 420
Db 964 CACGAGCCAGCAGAGGGCTGTGCGGCCCTCTCTTGTGCGCCCACTGTGCTCATGCCG 1023
Qy 421 GGCCCGCTTGGCTTTCGGAACCTGTGGGCGCCCTGTCTTCCCGGTGTGACCAAGCTGTGCTG 480
Db 1024 GGCCCGCTTGGCTTTCGGAACCTGTGGGCGCCCTGTCTTCCCGGTGTGACCAAGCTGTGCTG 1083
Qy 481 CCGCATGCCCGCACCCCTGTGCGGCTCTTGTGGCTGTGAGCTGTGAGCTGGAGCT 540
Db 1084 CCGCATGCCCGCACCCCTGTGCGGCTCTTGTGGCTGTGAGCTGTGAGCTGGAGCT 1143
Qy 541 CATGACCTTCACGCTGTTTACACGGATTTCTGTGGGAGGGGCTGTACACAGGCGCTGCC 600

QY 1201 CCCATCCCTGTTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGGCTATATGGT 1260
Db 1798 CCCATCCCTGTTTATGGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGGCTATATGGT 1857
QY 1261 GTCTGCCGAGCCCTGGGCTGGTCCGCAATTACTTTGCTACACAGGTAGTATTGACAA 1320
Db 1858 GTCTGCCGAGCCCTGGGCTGGTCCGCAATTACTTTGCTACACAGGTAGTATTGACAA 1917
QY 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939
RESULT 10
US-09-780-669-110
; Sequence 110, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-110
Query Match 100.0%; Score 1342; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCCTGGCTAGCAGGCTGCTGTGCCGATCCAGGCCCTGGAGCTGGCACTGCT 60
Db 598 GGCCTGGCTAGCAGGCTGCTGTGCCGATCCAGGCCCTGGAGCTGGCACTGCT 657
QY 61 CATCTGGGCGTGGGCTGTGGACTTCTGTGGCCAGGTGTGCTTCACTCACTGGAGGC 120
Db 658 CATCTGGGCGTGGGCTGTGGACTTCTGTGGCCAGGTGTGCTTCACTCACTGGAGGC 717
QY 121 CTGTCTCTGACCTCTTCCGGGACCCGACCACTGTGCCAGGCTACTCTGTCTATGC 180
Db 718 CTGTCTCTGACCTCTTCCGGGACCCGACCACTGTGCCAGGCTACTCTGTCTATGC 777
QY 181 CTTTCATGATCAGTCTTTGGGGCTGCTGGGCTACCTCTGCTGCCATTGATGGGACAC 240
Db 778 CTTTCATGATCAGTCTTTGGGGCTGCTGGGCTACCTCTGCTGCCATTGATGGGACAC 837
QY 241 CAGTGGCTGGCCCCCTTACCTGGGACCCAGAGAGTGCCTCTTTGGCTGCTCACCT 300

Db 838 CAGTGGCTGGCCCCCTTACCTTGGGCA CCCAGAGGAGTGCCTCTTTTGGCTGTCTCACCT 897
QY 301 CATCTTCTCACCCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGAGGCTGGGGCC 360
Db 898 CATCTTCTCACCCTGCTAGCAGCCACACTGCTGGTGGCTGAGGAGGAGGCTGGGGCC 957
QY 361 CACGAGCCAGCAGAAAGGGCTGTGCGGCCCTCTTGTGCGCCCACTGTCTTCATGCG 420
Db 958 CACGAGCCAGCAGAAAGGGCTGTGCGGCCCTCTTGTGCGCCCACTGTCTTCATGCG 1017
QY 421 GGGCGGCTTGGCTTTCGGGAACCTGGGGGCGCTGCTTCCCGGCTGCACACAGCTGTGCTG 480
Db 1018 GGGCGGCTTGGCTTTCGGGAACCTGGGGGCGCTGCTTCCCGGCTGCACACAGCTGTGCTG 1077
QY 481 CCGCATGCCCGCACCTGCGCGGCTTCTCGTGGCTGAGCTGTGCACTGGAATGGCACT 540
Db 1078 CCGCATGCCCGCACCTGCGCGGCTTCTCGTGGCTGAGCTGTGCACTGGAATGGCACT 1137
QY 541 CATGACCTTCACTGCTGTTTTTACCGATTTTCGTGGGAGGGCTGTACAGGGGCTGCC 600
Db 1138 CATGACCTTCACTGCTGTTTTTACCGATTTTCGTGGGAGGGCTGTACAGGGGCTGCC 1197
QY 601 CAGAGCTGAGCGGGGACCCGAGGCCGAGAGACATATGATGAAGGCTTCCGATGGGAG 660
Db 1198 CAGAGCTGAGCGGGGACCCGAGGCCGAGAGACATATGATGAAGGCTTCCGATGGGAG 1257
QY 661 CCTGGGGCTGTTCTCGAGTGCAGCTCTCCCTGGTCTTCTCTGTGTCATGGACCGGCT 720
Db 1258 CCTGGGGCTGTTCTCGAGTGCAGCTCTCCCTGGTCTTCTCTGTGTCATGGACCGGCT 1317
QY 721 GGTGACGCGATTCGGGCTCGAGAGCTATATTTGGCAGTGTGGAGCTTTCCTGTGGC 780
Db 1318 GGTGACGCGATTCGGGCTCGAGAGCTATATTTGGCAGTGTGGAGCTTTCCTGTGGC 1377
QY 781 TGCCGGTGCCACATGCTGTCACAGTGTGGCGTGGTGGAGCTTCCAGCGCCCTCAC 840
Db 1378 TGCCGGTGCCACATGCTGTCACAGTGTGGCGTGGTGGAGCTTCCAGCGCCCTCAC 1437
QY 841 CGGGTTTACCTTCTCAGCCCTGCGAGATCTCTGCCCTACACACTGGCTCTCTTACACCG 900
Db 1438 CGGGTTTACCTTCTCAGCCCTGCGAGATCTCTGCCCTACACACTGGCTCTCTTACACCG 1497
QY 901 GGAGAGCAGGTGTTCTGCCAAATACCGAGGGAGACACTGGAGGTGTAGCAGTGAGA 960
Db 1498 GGAGAGCAGGTGTTCTGCCAAATACCGAGGGAGACACTGGAGGTGTAGCAGTGAGA 1557
QY 961 CAGCTGATGACACAGCTTCTGCCAGGCCCTTAAGCTGGAGCTCCCTTCCCTAATGGACA 1020
Db 1558 CAGCTGATGACACAGCTTCTGCCAGGCCCTTAAGCTGGAGCTCCCTTCCCTAATGGACA 1617
QY 1021 CGTGGGTGCTGGAGGCTGGCTGCTCCACCTCCAGCCGCTCTGCGGGGCTCTGTC 1080
Db 1618 CGTGGGTGCTGGAGGCTGGCTGCTCCACCTCCAGCCGCTCTGCGGGGCTCTGTC 1677
QY 1081 CTGTGATGTCTCCGTAAGTGTGGTGGTGGTGGAGCCACCCAGGCGAGGTGTTCGGG 1140
Db 1678 CTGTGATGTCTCCGTAAGTGTGGTGGTGGTGGAGCCACCCAGGCGAGGTGTTCGGG 1737
QY 1141 CCGGGGATCTGCTGGACCTCGGCATCTCGATAGTGCCTTCTGTGCTGCCAGGTGC 1200
Db 1738 CCGGGGATCTGCTGGACCTCGGCATCTCGATAGTGCCTTCTGTGCTGCCAGGTGC 1797
QY 1201 CCCATCCCTGTTTATGGGCTCCATTGTTCAGCTCAGCCAGTCTGTCTACTGCTATATGGT 1260
Db 1798 CCCATCCCTGTTTATGGGCTCCATTGTTCAGCTCAGCCAGTCTGTCTACTGCTATATGGT 1857
QY 1261 GTCTGCCGAGCCCTGGGCTGGTCCCAATTTACTTTGCTACACAGGTAGTATTGACAA 1320
Db 1858 GTCTGCCGAGCCCTGGGCTGGTCCCAATTTACTTTGCTACACAGGTAGTATTGACAA 1917
QY 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939

RESULT 11

US-030-606-110
; Sequence 110, Application US/09030606
; Patent No. US20020081580A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030.606
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.428C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-030-606-110

Query Match 100.0%; Score 1342; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCGCGGCTGGCTAGCAGGGCTGCTGCGCGGATCCAGGCCCTGGAGCTGGCACTGCT 60
Db 598 GCGCGGCTGGCTAGCAGGGCTGCTGCGCGGATCCAGGCCCTGGAGCTGGCACTGCT 657
Qy 61 CATCTGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC 120
Db 658 CATCTGGCGTGGGGCTGCTGGACTTCTGTGGCCAGGTGTGCTTCACTCCACTGGAGGC 717
Qy 121 CCTGCTCTACCTCTTCGGGACCCGGACCACTGTGCCAGGCTACTCTGTCTATGC 180
Db 718 CCTGCTCTACCTCTTCGGGACCCGGACCACTGTGCCAGGCTACTCTGTCTATGC 777
Qy 181 CTTTCATGATCAGTCTTGGGGCTGCTGGGCTACTCTGCTGCTGCTGCTGCTGGACAC 240
Db 778 CTTTCATGATCAGTCTTGGGGCTGCTGGGCTACTCTGCTGCTGCTGCTGCTGGACAC 837
Qy 241 CAGTGCCCTGGCCCCCTACTCTGGGACCCAGGAGAGTGCCTCTTTGGGCTGCTCACCT 300
Db 838 CAGTGCCCTGGCCCCCTACTCTGGGACCCAGGAGAGTGCCTCTTTGGGCTGCTCACCT 897
Qy 301 CATCTTCTCCTCCTGCTAGCAGCCACACTGCTGTGCTGAGGAGGAGGCTGGGGCC 360
Db 898 CATCTTCTCCTCCTGCTAGCAGCCACACTGCTGTGCTGAGGAGGAGGCTGGGGCC 957

RESULT 12

US-09-822-827-110
; Sequence 110, Application US/09822827
; Patent No. US20020081680A1

Qy 361 CACGAGCCAGCAGAGGGCTGTGCGCCCTCTCTGTGCGCCCACTGCTGTCTCATGCCG 420
Db 958 CACGAGCCAGCAGAGGGCTGTGCGCCCTCTCTGTGCGCCCACTGCTGTCTCATGCCG 1017
Qy 421 GCGCGGCTTGGCTTTCCGGAACCTTGGGCGGCTCTGCTTCCCGGCTGCACAGCTGTGCTG 480
Db 1018 GCGCGGCTTGGCTTTCCGGAACCTTGGGCGGCTCTGCTTCCCGGCTGCACAGCTGTGCTG 1077
Qy 481 CCGCATCCCGCGCACCTGCGCGGCTTCTGTGGCTGAGCTGTGAGCTGGATGGCACT 540
Db 1078 CCGCATCCCGCGCACCTGCGCGGCTTCTGTGGCTGAGCTGTGAGCTGGATGGCACT 1137
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Db 1138 CATGACCTTCACTGCTTTTACACGGATTTCTGTGGCGAGGGCTGTACAGGCGCTGCC 1197
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Qy 661 CCGGGGCTGTTCTGCACTGCGCATCTCCCTGCTCTCTCTGTGCTATGAGACCGGCT 720
Db 1258 CCGGGGCTGTTCTGCACTGCGCATCTCCCTGCTCTCTCTGTGCTATGAGACCGGCT 1317
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Db 1318 GGTGACGCGATTTGGCACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 1377
Qy 781 TGGCGGTGCCACATGCTCTGCCACAGTGTGGCGGCTGTGACAGCTTCAGCGCGGCTCAC 840
Db 1378 TGGCGGTGCCACATGCTCTGCCACAGTGTGGCGGCTGTGACAGCTTCAGCGCGGCTCAC 1437
Qy 841 CGGGTTCACTTCTCAGCCCTGCAGATCTCCGCTTACACACTGCGCTCTCTTACCACCG 900
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Db 1498 GGAGAGCAGGTGTTCTGCGCCCAATAACGAGGGGACACTGGAGGTGTAGCAGTGAGGA 1557
Qy 961 CAGCTGATGACACAGCTTCTGCGAGCCCTTAAGCTTGGAGCTCCTTCCCTATATGACA 1020
Db 1558 CAGCTGATGACACAGCTTCTGCGAGCCCTTAAGCTTGGAGCTCCTTCCCTATATGACA 1617
Qy 1021 CGTGGGTGCTGGAGGAGTGCCTGCTCCACCTCCACCGCGCTCTGCGGGGCTCTGC 1080
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Qy 1081 CTGTGATGCTCTCGTACGTGTGGTGGGTGAGCCCAAGAGGCTGGTGTCCGGG 1140
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Db 1918 GAGGACTTGGCCAAATACTCA 1939

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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-110

Query Match      100.0%; Score 1342; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC CGGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCAGGCCCTCTGGAGCTGGCACTGCT 60
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Qy 61 CATCTGGGGCTGGGGCTGCTGGAGCTTCTGTGGCCAGGTGTCTTCACTCCAGTGGAGGC 120
Db 658 CATCTGGGGCTGGGGCTGCTGGAGCTTCTGTGGCCAGGTGTCTTCACTCCAGTGGAGGC 717
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Qy 481 CGCATGCCCGCACCTCGCGCGGCTCTTCTGTGGCTGAGCTGTGAGTGGAGTGGCACT 540
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Db 1258 CCGGGGCTGTTCTGAGTGGCCCATCTCCTGTGTTCTCTCTGTTCTGTTCTGTTCTGTTCT 1317
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Db 1798 CCATCCCTGTTTATGGCTCCATTGTGCCAGCTCAGCCAGTCTGTCACTGCTATATGCT 1857
Qy 1261 GTCTGCCGAGGCTGGGTCTGTGGCCATTTACTTTGCTACACAGGTAGTTTGGACAA 1320
Db 1858 GTCTGCCGAGGCTGGGTCTGTGGCCATTTACTTTGCTACACAGGTAGTTTGGACAA 1917
Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
Db 1918 GAGCGACTTGGCCAAATACTCA 1939

RESULT 13
US-09-115-453-110
; Sequence 110, Application US/09115453B
; Patent No. US2002090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115.453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-115-453-110

Query Match      100.0%; Score 1342; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC CGGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCAGGCCCTCTGGAGCTGGCACTGCT 60
Db 598 GGC CGGCTGGCTAGCAGGGCTGCTGTGCCCGGATCCAGGCCCTCTGGAGCTGGCACTGCT 657
Qy 61 CATCTGGGGCTGGGGCTGCTGGAGCTTCTGTGGCCAGGTGTCTTCACTCCAGTGGAGGC 120
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Qy 121 CCGTCTCTGACCTCTTCGGGGACCCGGACCACTGTCCGACGGCTACTCTGTCTATGC 180
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Qy 241 CAGTGGCTGGCCCCCTACCTGGGACCCGAGAGAGTGTCTTTGGGCTGCTCACCT 300
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Qy 301 CATCTTCTCACTCGTAGCAGCACACTGCTGTGGCTGAGGAGGAGCGCTGGGGCC 360
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Qy 361 CACGAGCCAGCAGAGGGCTGTGGCCCCCTCTTGTGGCCCCACTGCTGTCCATGCGG 420
Db 958 CACGAGCCAGCAGAGGGCTGTGGCCCCCTCTTGTGGCCCCACTGCTGTCCATGCGG 1017
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Qy 481 CGCATGCCCGCACCTCGCGCGGCTCTTCTGTGGCTGAGCTGTGAGTGGAGTGGCACT 540
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Db 1258 CCGGGGCTGTTCTGAGTGGCCCATCTCCTGTGTTCTCTCTGTTCTGTTCTGTTCTGTTCT 1317
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Db 1318 GGTGACGAGATTCCGACACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGC 1377
Qy 781 TGCCGGTGCACATGCTGTCCACAGTGTGGCCGTGTGACAGCTTTCAGCGGCCCTCAC 840
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Db 1318 GGTGAGCGATTGGGCACTCGAGCAGTCTATTGGCCAGTGGGAGCTTCCCTGGTGGC 1377
Qy 781 TGCCGGTGCCACATGCTGTGCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCGCTCAC 840
Db 1378 TGCCGGTGCCACATGCTGTGCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCGCTCAC 1437
Qy 841 CGGGTTACCTTCTCAGCCCTGCAGATCCTGCGCTTACACACTGGGCTCCCTCTACACCG 900
Db 1438 CGGGTTACCTTCTCAGCCCTGCAGATCCTGCGCTTACACACTGGGCTCCCTCTACACCG 1497
Qy 901 GGAGAAGCAGGTGTTCTGCGCCCAATACGAGGGGACACTGGAGTGCTAGCAGTGAGA 960
Db 1498 GGAGAAGCAGGTGTTCTGCGCCCAATACGAGGGGACACTGGAGTGCTAGCAGTGAGA 1557
Qy 961 CAGCCTGATGACAGCTTCTGCCAGGCGCTTAAGCTTGGAGCTCCCTTCCCTTAATGGACA 1020
Db 1558 CAGCCTGATGACAGCTTCTGCCAGGCGCTTAAGCTTGGAGCTCCCTTCCCTTAATGGACA 1617
Qy 1021 CGTGGGTGCTGAGCAGTGGCTGCTCCCACTCCACCGCGCTCTCGGGGCGCTCTGC 1080
Db 1618 CGTGGGTGCTGAGCAGTGGCTGCTCCCACTCCACCGCGCTCTCGGGGCGCTCTGC 1677
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Db 1798 CCCATCCCTGTTTATGGGCTCAATGTCCAGCTCAGCCAGTGTGTCATGCTATATGGT 1857
Qy 1261 GTCTGCCGAGCCCTGGGCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1320
Db 1858 GTCTGCCGAGCCCTGGGCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTGACAA 1917
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RESULT 15
US-09-895-793-110
; Sequence 110, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Xuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-110

Query Match 100.0%; Score 1342; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCGCGCTGGCTAGCAGGGCTGTGTGCCGGATCCCGAGCCCTGGAGCTGGCACTGCT 60
Db 598 GGCGCGCTGGCTAGCAGGGCTGTGTGCCGGATCCCGAGCCCTGGAGCTGGCACTGCT 657
Qy 61 CATCTCTGGCGTGGGGCTGTGTGACTTTCTGTGGCCAGGTGTGTCTCACTCGAGGC 120
Db 658 CATCTCTGGCGTGGGGCTGTGTGACTTTCTGTGGCCAGGTGTGTCTCACTCGAGGC 717
Qy 121 CTTGCTCTCTGACCTCTTCCGGGACCCGGGACCTGTGCGCAGGCTACTCTGTCTATGC 180
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Qy 481 CCGCATGCCCGCACCTGCGCGGCTTTCGTGGCTGAGGCTGTGCAAGTGGGCACT 540
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Qy 661 CCTGGGGCTGTTCCTGAGTGGCGCATCTCCCTGGTCTCTCTCTGCTCAGTGGACCGGCT 720
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Qy 1321 GAGCGACTTGGCCAAATACTCA 1342
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Qy 1918 GAGCGACTTGGCCAAATACTCA 1939
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

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Total number of hits satisfying chosen parameters: 2405568

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2	1234	100.0	3410	3	US-09-030-607-110	Sequence 110, App
3	1234	100.0	3410	3	US-09-439-313-110	Sequence 110, App
4	1234	100.0	3410	3	US-09-352-616A-110	Sequence 110, App
5	1234	100.0	3410	3	US-09-602-877A-100	Sequence 100, App
6	1234	100.0	3410	3	US-09-232-149A-110	Sequence 110, App
7	1234	100.0	3410	4	US-09-159-812-110	Sequence 110, App
8	1234	100.0	3410	4	US-09-636-215-110	Sequence 110, App
9	1234	100.0	3410	4	US-09-685-166A-110	Sequence 110, App
10	1234	100.0	3410	4	US-09-115-453-110	Sequence 110, App
11	1234	100.0	3410	4	US-09-688-489-110	Sequence 110, App
12	1234	100.0	3410	4	US-09-679-426-110	Sequence 110, App
13	1234	100.0	3410	4	US-09-759-143-110	Sequence 110, App
14	1234	100.0	3410	4	US-09-651-236-110	Sequence 110, App
15	801	64.9	2904	4	US-09-636-215-703	Sequence 703, App
16	801	64.9	2904	4	US-09-685-166A-703	Sequence 703, App
17	801	64.9	2904	4	US-09-679-426-703	Sequence 703, App
18	801	64.9	2904	4	US-09-759-143-703	Sequence 703, App
19	801	64.9	2904	4	US-09-651-236-703	Sequence 703, App
20	745	60.4	2152	3	US-09-071-710-16	Sequence 16, App1
21	745	60.4	2152	3	US-09-525-397-16	Sequence 16, App1
22	737	59.7	2143	3	US-09-071-710-15	Sequence 15, App1
23	737	59.7	2143	3	US-09-525-397-15	Sequence 15, App1
24	683.4	55.4	4034	4	US-09-636-215-704	Sequence 704, App
25	683.4	55.4	4034	4	US-09-685-166A-704	Sequence 704, App
26	683.4	55.4	4034	4	US-09-679-426-704	Sequence 704, App
27	683.4	55.4	4034	4	US-09-759-143-704	Sequence 704, App

[illegible]

ALIGNMENTS

RESULT 1
 US-09-020-956-110
 ; Sequence 110, Application US/09020956
 ; Patent No. 6261562
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillin, Davin C.
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY
 ; NUMBER OF SEQUENCES: 178
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SEED AND BERRY LLP
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/020,956
 ; FILING DATE: 09-FEB-1998
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Makl, David J.
 ; REGISTRATION NUMBER: 31,392
 ; REFERENCE/DOCKET NUMBER: 210121.427C2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 622-4900
 ; TELEFAX: (206) 682-6031
 ; INFORMATION FOR SEQ ID NO: 110:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3410 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; ORIGINAL SOURCE:
 ; ORGANISM: Homo sapiens
 ; US-09-020-956-110

Qy		1 TGGCAGGTGTCCTTCACTCCACTGGAGGCCCTGCTCTTGACCTCTTCCGGACCCCGA 60
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Qy 61 CCACCTGTCGCCAGGCTACTCTGTCTATGCTCTATGATCACTCTTGGGGGCTGCTGGG 120
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Qy 121 CTACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Db 808 CTACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 867
Qy 181 GGAGAGTGCCTCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
Db 868 GGAGAGTGCCTCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 927
Qy 241 GCTGTGCTGCTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
Db 928 GCTGTGCTGCTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 987
Qy 301 CTCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Db 988 CTCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1047
Qy 361 CCTGCTTCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db 1048 CCTGCTTCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1107
Qy 421 CGTGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Db 1108 CGTGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1167
Qy 481 CGTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 1168 CGTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1227
Qy 541 ACATATCATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db 1228 ACATATCATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1287
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Db 1288 CCGTCTTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1347
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Db 1348 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1407
Qy 721 GCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
Db 1408 GCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1467
Qy 781 GCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
Db 1468 GCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1527
Qy 841 AGGGACACTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 1528 AGGGACACTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1587
Qy 901 TAAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
Db 1588 TAAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1647
Qy 961 ACCTCCACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 1648 ACCTCCACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1707
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Db 1708 TGAGGCCACCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1767
Qy 1081 GGATAGTGCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
Db 1768 GGATAGTGCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1827

Qy 1141 GCTCAGCAGTCTGCTCAGTCTATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
Db 1828 GCTCAGCAGTCTGCTCAGTCTATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1887
Qy 1201 TTACTTTGCTACAGGCTAGTATTTGACAAGGC 1234
Db 1888 TTACTTTGCTACAGGCTAGTATTTGACAAGGC 1921
RESULT 2
US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030.607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-607-110
Query Match 100.0%; Score 1234; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGGCCAGGTGCTTCACTCCACCTGAGGCGCTCTCTCTGACCTCTTCCGGGACCCGGA 60
Db 688 TGGCCAGGTGCTTCACTCCACCTGAGGCGCTCTCTCTGACCTCTTCCGGGACCCGGA 747
Qy 61 CCATGTGCGCAGGCTTACTCTGTATGCTTATGCTTATGCTTATGCTTATGCTTATGCTT 120
Db 748 CCATGTGCGCAGGCTTACTCTGTATGCTTATGCTTATGCTTATGCTTATGCTTATGCT 807
Qy 121 CTACCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGCCCCCTACCTGGGACCCCA 180
Db 808 CTACCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGCCCCCTACCTGGGACCCCA 867
Qy 181 GGAGAGTGCCTCTTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
Db 868 GGAGAGTGCCTCTTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 927
Qy 241 GCTGCTGCTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300

Db 928 GCTGGTGGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGACAGAGGCTGTGGGCCC 987
Qy 301 CTCCTGTGCGCCCACTGCTGTCCATGCGGGCCGCTTGGCTTTCCGGAACCTGGGGC 360
Db 988 CTCCTGTGCGCCCACTGCTGTCCATGCGGGCCGCTTGGCTTTCCGGAACCTGGGGC 1047
Qy 361 CCTGCTTCCCGGCTGACACAGCTGTGTGCGCGATGCCCGACCCCTGCGCCGCTCTT 420
Db 1048 CTTGCTTCCCGGCTGACACAGCTGTGTGCGCGATGCCCGACCCCTGCGCCGCTCTT 1107
Qy 421 CGTGGCTGAGCTGTGAGCTGTGATGGCACTCATGACCTTACCGCTGTGTTTACAGGATTT 480
Db 1108 CGTGGCTGAGCTGTGAGCTGTGATGGCACTCATGACCTTACCGCTGTGTTTACAGGATTT 1167
Qy 481 CGTGGGCGAGGGCTGTACAGGCGCTGCCAGAGCTGAGCGGGGACCGAGGCCCGGAG 540
Db 1168 CGTGGGCGAGGGCTGTACAGGCGCTGCCAGAGCTGAGCGGGGACCGAGGCCCGGAG 1227
Qy 541 ACATATGATGAAGGCGTTCCGATGGGCGAGCTGGGCTGTTCCTGAGTGCGCATCTC 600
Db 1228 ACATATGATGAAGGCGTTCCGATGGGCGAGCTGGGCTGTTCCTGAGTGCGCATCTC 1287
Qy 601 CTTGGCTCTTCTCTGTGTATGAGACCGGCTGTGACGAGATTCGGCACTGAGCAGTCTA 660
Db 1288 CTTGGCTCTTCTCTGTGTATGAGACCGGCTGTGACGAGATTCGGCACTGAGCAGTCTA 1347
Qy 661 TTTGGCAGGTGCGAGCTTCCCTGTGGCTGCCGGTGCCCATGACCTGTCCACAGTGT 720
Db 1348 TTTGGCAGGTGCGAGCTTCCCTGTGGCTGCCGGTGCCCATGACCTGTCCACAGTGT 1407
Qy 721 GGCGTGGTGACAGCTTTCAGCGGCTTCCAGCGGCTTCCAGCGCTTCCAGCGCTTCCAGTCT 780
Db 1408 GGCGTGGTGACAGCTTTCAGCGGCTTCCAGCGGCTTCCAGCGCTTCCAGTCT 1467
Qy 781 GCGCTACACATGCGCTTCCCTTACACCGGAGAGAGAGTGTTCCTGCGCCAAATACCG 840
Db 1468 GCGCTACACATGCGCTTCCCTTACACCGGAGAGAGAGTGTTCCTGCGCCAAATACCG 1527
Qy 841 AGGGGACACTGGAGGTCTAGCAGTGAAGGAGAGAGCTGATGACAGCTTCTGCGAGGCC 900
Db 1528 AGGGGACACTGGAGGTCTAGCAGTGAAGGAGAGAGCTGATGACAGCTTCTGCGAGGCC 1587
Qy 901 TAAGCCTGGAGCTCCCTTCCCTATGAGACAGTGGGTGCTGGAGGAGTGGCTGTCTCC 960
Db 1588 TAAGCCTGGAGCTCCCTTCCCTATGAGACAGTGGGTGCTGGAGGAGTGGCTGTCTCC 1647
Qy 961 ACCTCCACCGCGCTCTGCGGGGCTCTGCGCTGTGATGTCTCCGTACGTGTGGTGGG 1020
Db 1648 ACCTCCACCGCGCTCTGCGGGGCTCTGCGCTGTGATGTCTCCGTACGTGTGGTGGG 1707
Qy 1021 TGAGCCACCGAGGCGAGGGTGTTCGGGCGGGGCTATGCTGAGCTTGGACCTTGGCATCT 1080
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Qy 1081 GGATAGTGCCTTCTGCTGTCGCCAGGTGGCCCATCCCTGTTTATGGGCTCCATTGCCA 1140
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Db 1828 GCTCAGCAGTGTCTCACTGCTATATGTTGTCTGCCGAGGCTTGGGTCTGGTCTGGCAT 1887
Qy 1201 TTACTTTGCTACAGGTAGTATTTGACAGAGC 1234
Db 1888 TTACTTTGCTACAGGTAGTATTTGACAGAGC 1921

RESULT 3
US-09-439-313-110
; Sequence 110, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-110
Query Match 100.0%; Score 1234; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCGCAGGTGTGCTTCACTCCACTGGAGGCGCTGTCTCTGACCTCTTCCGGGACCCGGA 60
Db 688 TGCGCAGGTGTGCTTCACTCCACTGGAGGCGCTGTCTCTGACCTCTTCCGGGACCCGGA 747
Qy 61 CCACTGTGCGCAGCGCTTACTGTCTATGCTTCTCATGATCAGTCTTGGGGCTCCCTGGG 120
Db 748 CCACTGTGCGCAGCGCTTACTGTCTATGCTTCTCATGATCAGTCTTGGGGCTCCCTGGG 807
Qy 121 CTACCTCTGCTGCCATTTGACTGGGACACAGTGGCCCTTGGCCCCCTACCTGGGACCCCA 180
Db 808 CTACCTCTGCTGCCATTTGACTGGGACACAGTGGCCCTTGGCCCCCTACCTGGGACCCCA 867
Qy 181 GAGGAGTGTCTTTGGGCTGTCACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 240
Db 868 GAGGAGTGTCTTTGGGCTGTCACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 927
Qy 241 GCTGTGTGCTGAGGAGCGGCTGGGCCCCACCGAGCCAGCAGAGGCTGTGGGCCCC 300
Db 928 GCTGTGTGCTGAGGAGCGGCTGGGCCCCACCGAGCCAGCAGAGGCTGTGGGCCCC 987
Qy 301 CTCTTTGTCGCCCACTGTCTGTCCATGCGCGGGCGGCTTGGCTTTCCGGAACCTGGGCGC 360
Db 988 CTCTTTGTCGCCCACTGTCTGTCCATGCGCGGGCGGCTTGGCTTTCCGGAACCTGGGCGC 1047
Qy 361 CTGCTTTCGCGGTGCGACCGAGCTGTCTGCGCATGCCCGGACCCCTGCGCCGCTCTT 420
Db 1048 CTTGCTTTCGCGGTGCGACCGAGCTGTCTGCGCATGCCCGGACCCCTGCGCCGCTCTT 1107
Qy 421 CTTGCTTTCGCGGTGCGAGCTGGATGGCACTCATGACCTTCCGCTGTTTACAGGATTT 480
Db 1108 CTTGCTTTCGCGGTGCGAGCTGGATGGCACTCATGACCTTCCGCTGTTTACAGGATTT 1167
Qy 481 CTTGCTTTCGCGGTGCTGTACCGAGGCGCTGCCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 540
Db 1168 CTTGCTTTCGCGGTGCTGTACCGAGGCGCTGCCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1227
Qy 541 ACATATGATGAAGGCGTTCCGATGGGCGAGCTGGGCTGTTCCTGAGTGCGCATCTC 600
Db 1228 ACATATGATGAAGGCGTTCCGATGGGCGAGCTGGGCTGTTCCTGAGTGCGCATCTC 1287
Qy 601 CTTGCTTTCCTCTCTGTGTATGAGCGGCTGTGACGAGTTCGGCACTGAGCAGTCTA 660
Db 1288 CTTGCTTTCCTCTCTGTGTATGAGCGGCTGTGACGAGTTCGGCACTGAGCAGTCTA 1347
Qy 661 TTTGGCAGGTGCGAGCTTCCCTGTGGCTGCCGGTGCCCATGACCTGTCCACAGTGT 720

Db 1348 TTTGGCCAGAGTGTGGAGCTTTCCCTGTGGCTGCGGTGCCATGCTGTCCACAGTGT 1407
Qy 721 GSCCGTGTGACAGCTTCAGCGCGCTCAGCGGGTTCACTTCTCAGCCCTGCAGATCCT 780
Db 1408 GSCCGTGTGACAGCTTCAGCGCGCTCAGCGGGTTCACTTCTCAGCCCTGCAGATCCT 1467
Qy 781 GSCCTACACACTGGGCTCCCTTACCAACCGGAGAGCAGGTTTCTTGGCCCAATACCG 840
Db 1468 GSCCTACACACTGGGCTCCCTTACCAACCGGAGAGCAGGTTTCTTGGCCCAATACCG 1527
Qy 841 AGGGACACTGAGGTGTAGCAGTGAAGACAGCTGATGACCAAGCTTCTGCGCAGGCC 900
Db 1528 AGGGACACTGAGGTGTAGCAGTGAAGACAGCTGATGACCAAGCTTCTGCGCAGGCC 1587
Qy 901 TAAAGCTTGAGCTCCCTTCCCTAAATGAGACAGTGGGTCTGAGGAGCTGGCTGCTCCC 960
Db 1588 TAAAGCTTGAGCTCCCTTCCCTAAATGAGACAGTGGGTCTGAGGAGCTGGCTGCTCCC 1647
Qy 961 ACTTCCACCGGCTCTGCGGGCTCTGCGCTGTGATGTCTCCGTACGTGTGGTGGG 1020
Db 1648 ACTTCCACCGGCTCTGCGGGCTCTGCGCTGTGATGTCTCCGTACGTGTGGTGGG 1707
Qy 1021 TGAGCCCAACGAGGCGAGGTTTCCGGGCGCGGGGATCTGCTGGAACCTCGCCATCCT 1080
Db 1708 TGAGCCCAACGAGGCGAGGTTTCCGGGCGCGGGGATCTGCTGGAACCTCGCCATCCT 1767
Qy 1081 GGATAGTGCCTTCTGCTGCTCCAGGTGCCCCATCCCTGTTATGGGCTCCATGTCCA 1140
Db 1768 GGATAGTGCCTTCTGCTGCTCCAGGTGCCCCATCCCTGTTATGGGCTCCATGTCCA 1827
Qy 1141 GCTAGCCAGCTGTCACTGCTATATGTTGTCTGCCGAGGCTGGGTCTGGTGGCCAT 1200
Db 1828 GCTAGCCAGCTGTCACTGCTATATGTTGTCTGCCGAGGCTGGGTCTGGTGGCCAT 1887
Qy 1201 TTACTTTGTACACAGGTAGTATTTGACAGAGC 1234
Db 1888 TTACTTTGTACACAGGTAGTATTTGACAGAGC 1921

RESULT 4

US-09-352-616A-110
; Sequence 110, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yiqui
; APPLICANT: Xu, Jiaangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110

Query Match 100.0%; Score 1234; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295; Indels 0; Gaps 0;
Matches 1234; Conservative 0; Mismatches 0;
Qy 1 TGGCCAGGTGTCTTCACTTCCACTGAGGCGCTGTCTGTGACCTTCTTCCGGGACCCGGA 60
Db 688 TGGCCAGGTGTCTTCACTTCCACTGAGGCGCTGTCTGTGACCTTCTTCCGGGACCCGGA 747
Qy 61 CCATGTGCGCCAGGCTACTGTCTATGCTTATGATCATGTCTGGGGCTGCTGGG 120

Db 748 CCACTGTGCGCAGGCTACTCTGTATATGCTTATGATCATGTCTTGGGGGCTGCTGGG 807
Qy 121 CTACTCTCTGCTGCTGCAATTGACTGGGACACAGTGCCTGCGCCCTACCTTGGGACACCA 180
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Qy 181 GGAGAGTGCCTCTTTTGGCCTGTCTCAGCCTCATCTTCTCAGCTGCGTAGCAGCACACT 240
Db 868 GGAGAGTGCCTCTTTTGGCCTGTCTCAGCCTCATCTTCTCAGCTGCGTAGCAGCACACT 927
Qy 241 GCTGGTGTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGAGAGGAGGCTGTGGGCCCC 300
Db 928 GCTGGTGTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGAGAGGAGGCTGTGGGCCCC 987
Qy 301 CTCTTGTGCGCCCACTGTCTGATGACCGGGCGCTTGGCTTTCCGGAACTTGGGGCGC 360
Db 988 CTCTTGTGCGCCCACTGTCTGATGACCGGGCGCTTGGCTTTCCGGAACTTGGGGCGC 1047
Qy 361 CTCTTGTGCGGGCTGACACAGCTGTGTCGCGCATGCGCGCCGACCTTGCAGCGCTCTT 420
Db 1048 CTCTTGTGCGGGCTGACACAGCTGTGTCGCGCATGCGCGCCGACCTTGCAGCGCTCTT 1107
Qy 421 CGTGGCTGAGCTGTGAGCTGGATGGGACTCATGACTTCACTGCTGTTTACACGATTT 480
Db 1108 CGTGGCTGAGCTGTGAGCTGGATGGGACTCATGACTTCACTGCTGTTTACACGATTT 1167
Qy 481 CGTGGCGAGGGCTGTACCAAGGCGTGCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 540
Db 1168 CGTGGCGAGGGCTGTACCAAGGCGTGCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1227
Qy 541 ACATATGATGAAGCGCTTCGGATGGGAGCTGGGGCTGTTCTTGCAGTGCAGCATCTC 600
Db 1228 ACATATGATGAAGCGCTTCGGATGGGAGCTGGGGCTGTTCTTGCAGTGCAGCATCTC 1287
Qy 601 CCTGGTCTTCTCTGTGTCATGAGCCGGCTGGTGCAGGATTCGGGACTCGAGCAGTCA 660
Db 1288 CCTGGTCTTCTCTGTGTCATGAGCCGGCTGGTGCAGGATTCGGGACTCGAGCAGTCA 1347
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCATGCTGCTGCCACAGTGT 720
Db 1348 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCATGCTGCTGCCACAGTGT 1407
Qy 721 GGCGTGTGACAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTCAGCCCTGCAGATCCT 780
Db 1408 GGCGTGTGACAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTCAGCCCTGCAGATCCT 1467
Qy 781 GCCCTACACACTGGCTCCCTTACCAACCGGAGAGCAGGTGTTCTGCCCAATACCG 840
Db 1468 GCCCTACACACTGGCTCCCTTACCAACCGGAGAGCAGGTGTTCTGCCCAATACCG 1527
Qy 841 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCTGATGACCAAGCTTCTTCCAGGCCCC 900
Db 1528 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCTGATGACCAAGCTTCTTCCAGGCCCC 1587
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Qy 961 ACCTCCACCGGCTCTGCGGGGCTCTGCTGTGATGTCTCCGTACGTGTGGTGGG 1020
Db 1648 ACCTCCACCGGCTCTGCGGGGCTCTGCTGTGATGTCTCCGTACGTGTGGTGGG 1707
Qy 1021 TGAGCCCAACGAGGCGCAGGTTTCCGGGCGCGGGGATCTGCTTGAACCTCGCCATCCT 1080
Db 1708 TGAGCCCAACGAGGCGCAGGTTTCCGGGCGCGGGGATCTGCTTGAACCTCGCCATCCT 1767
Qy 1081 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCATCCCTGTTTATGGGCTCCATGTCCA 1140
Db 1768 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCATCCCTGTTTATGGGCTCCATGTCCA 1827
Qy 1141 GCTAGCCAGCTGTCACTGCTATATGTTGTCTGCCGAGGCTGGGTCTGGTGGCCAT 1200
Db 1828 GCTAGCCAGCTGTCACTGCTATATGTTGTCTGCCGAGGCTGGGTCTGGTGGCCAT 1887

QY 1201 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1234
|
|
|
Db 1888 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1921

RESULT 5

US-09-602-877A-100
; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100

Query Match 100.0%; Score 1234; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTGACCTCTTCCGGGACCCGGA 60
|
|
|
Db 688 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTGACCTCTTCCGGGACCCGGA 747
|
|
|
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QY 121 CTACCTCTGCTGCCATTGACTGGGACACAGTGCCTGCCCCCTACCTGGGACCCCA 180
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Db 808 CTACCTCTGCTGCCATTGACTGGGACACAGTGCCTGCCCCCTACCTGGGACCCCA 867
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Db 868 GGAGAGTGCTCTTTGGCCCTGCTCACCTCATCTCTCTCACCTGCGTAGCAGCACACT 927
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QY 241 GCTGGTGGCTGAGGAGGCGCTGGGCCCCACCGAGCCAGAGAGGCTGTGCGGCC 300
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QY 301 CTCCTTGTGCCCCCAGCTGCTGCTCATGCGGGCCGCTTGGCTTCCGGAACCTGGGGGC 360
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Db 1288 CCTGGTCTTCTCTGCTCATGGACCGGCTGGTGCAGCGATTGGGCACTCGAGCAGTCTA 1347
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QY 1081 GGATAGTGCCTTCTGCTGCCAGGTGGGCCCACTCCCTGTTATATGGGCTCCATTTGTC 1140
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QY 1141 GCTCAGCAGTCTGTCTACCTGCTATATGTTGTTGCTGCGCAGGCTGGGTCTGGTGGCCAT 1200
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Db 1828 GCTCAGCAGTCTGTCTACCTGCTATATGTTGTTGCTGCGCAGGCTGGGTCTGGTGGCCAT 1887
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QY 1201 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1234
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Db 1888 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1921

RESULT 6

US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110

Query Match 100.0%; Score 1234; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTGACCTCTTCCGGGACCCGGA 60
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Db 688 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTGACCTCTTCCGGGACCCGGA 747
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QY 61 CCACGTGCGCAGGCTTCTGCTATGCTTATGATCAGTCTTGGGGGCTGCTGGG 120
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Db 1288 CCTGGTCTTCTCTCTGTCATGAGACCGGCTGGTGCAGCGATTGCGCACTCGAGCAGTCTA 1347
Qy 661 TTTCGGCAGTGTGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCCCTGTCCACAGTGT 720
Db 1348 TTTCGGCAGTGTGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCCCTGTCCACAGTGT 1407
Qy 721 GGCCGTGTGTACAGCTTTCAGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 780
Db 1408 GGCCGTGTGTACAGCTTTCAGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 1467
Qy 781 GCCCTACACACTGCGCTCCCTTACCAACCGGAGAGAGGTGTTCCTGCCAAATACCG 840
Db 1468 GCCCTACACACTGCGCTCCCTTACCAACCGGAGAGAGGTGTTCCTGCCAAATACCG 1527
Qy 841 AGGGACACTGGAGGTGTACAGTGTAGGACAGCTGATGACAGCTTCTCTGCCAGGCC 900
Db 1528 AGGGACACTGGAGGTGTACAGTGTAGGACAGCTGATGACAGCTTCTCTGCCAGGCC 1587
Qy 901 TAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGTGGAGGAGTGGCTGTCTCCC 960
Db 1588 TAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGTGGAGGAGTGGCTGTCTCCC 1647
Qy 961 ACCTCCACCCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTACGTGTGGTGGG 1020
Db 1648 ACCTCCACCCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTACGTGTGGTGGG 1707
Qy 1021 TGAGCCACCGAGCCAGGTGGTTCGGGCGGGGATCTGCTGACCTCGGCCATCCT 1080
Db 1708 TGAGCCACCGAGCCAGGTGGTTCGGGCGGGGATCTGCTGACCTCGGCCATCCT 1767
Qy 1081 GGATAGTGCCTTCTGCTGCCAGGTGGCCCATCTCTGTTATGGCTCCATTGTCCA 1140
Db 1768 GGATAGTGCCTTCTGCTGCCAGGTGGCCCATCTCTGTTATGGCTCCATTGTCCA 1827
Qy 1141 GCTCAGCAGTCTGCTACCTATATGTTGTCTGCCGAGGCTGGGTCTGGTCTGGTCT 1200
Db 1828 GCTCAGCAGTCTGCTACCTATATGTTGTCTGCCGAGGCTGGGTCTGGTCTGGTCT 1887
Qy 1201 TTACTTTGCTACAGGTAGTATTGACAAGGC 1234
Db 1888 TTACTTTGCTACAGGTAGTATTGACAAGGC 1921

RESULT 8

US-09-636-215-110

; Sequence 110, Application US/09636215

; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darriack

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636.215

; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: Fast-Seq for Windows Version 3.0

; SEQ ID NO 110

; LENGTH: 3410

; TYPE: DNA

; ORGANISM: Homo sapien

; US-09-636-215-110

Query Match 100.0%; Score 1234; DB 4; Length 3410;

Best Local Similarity 100.0%; Pred. No. 1.9e-295;

Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCGCAGGTGTCTTCACTCCACTGGAGGCCCTGTCTCTCTGACCTCTTCGGGGACCCGGA 60
Db 688 TGCGCAGGTGTCTTCACTCCACTGGAGGCCCTGTCTCTCTGACCTCTTCGGGGACCCGGA 747
Qy 61 CCACTGTGCGCAGGCCCTACTCTGTATGCTTTCATGATCAGTCTTCGGGGCTCCCTGGG 120
Db 748 CCACTGTGCGCAGGCCCTACTCTGTATGCTTTCATGATCAGTCTTCGGGGCTCCCTGGG 807
Qy 121 CTACTCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGGCCCTTACCTGGGACACCCA 180
Db 808 CTACTCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGGCCCTTACCTGGGACACCCA 867
Qy 181 GGAGGAGTGTCTTTTGGCCCTGTCACTCCCTCATCTTCTCACTGCTAGCAGCACACT 240
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Qy 241 GCTGTGGCTGTAGGAGGACGCGCTGGGCCCCACCGAGCCAGCAGAGGGCTGTGCGGCC 300
Db 928 GCTGTGGCTGTAGGAGGACGCGCTGGGCCCCACCGAGCCAGCAGAGGGCTGTGCGGCC 987
Qy 301 CTCTTGTTCGCCCTCACTGTCTGTATGCGCGGCCCTTGGCTTTCCGGAACTCTGGGGCG 360
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Qy 361 CTGCTTTCCCGGTGTCACAGCTGTGTCGCGGATGCCCGCCGACACCTGCGCCCGCTCTT 420
Db 1048 CTGCTTTCCCGGTGTCACAGCTGTGTCGCGGATGCCCGCCGACACCTGCGCCCGCTCTT 1107
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Qy 481 CGTGGCGAGGGCTGTGTACCGAGGCGCTGCCAGAGCTGAGCCGGGCAACCGAGGCCCGAG 540
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Db 1228 AACTATGATGAAGGCTTCGGATGGGACGCTGGGGCTGTTCCTGAGTGGCCATCTC 1287
Qy 601 CCTGGTCTTCTCTCTGTCATGGACCGGCTGGTGCAGGATTCGGCACTCGAGCAGTCTA 660
Db 1288 CCTGGTCTTCTCTCTGTCATGGACCGGCTGGTGCAGGATTCGGCACTCGAGCAGTCTA 1347
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCTGTCCACAGTGT 720
Db 1348 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCTGTGTCCACAGTGT 1407
Qy 721 GGCCGTGTGACAGCTTTCAGCCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 780
Db 1408 GGCCGTGTGACAGCTTTCAGCCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 1467
Qy 781 GCCCTACACACTGGCCCTCCCTCTACCAACCGGAGAGCAGGTGTTCCTGCCAAATACCG 840
Db 1468 GCCCTACACACTGGCCCTCCCTCTACCAACCGGAGAGCAGGTGTTCCTGCCAAATACCG 1527
Qy 841 AGGGACACTGGAGGTGTAGCAGTGTAGGACAGCTGATGACAGCTTCTCTGCCAGGCC 900
Db 1528 AGGGACACTGGAGGTGTAGCAGTGTAGGACAGCTGATGACAGCTTCTCTGCCAGGCC 1587
Qy 901 TAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGTGGAGGAGTGGCTGTCTGCC 960
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QY 961 ACCTCCACCCGCGCTCTGCGGGCCCTCTGCTGTGATGTCCTCCGTACGTGTGTTGGG 1020
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 QY 1021 TGAGCCACCCGAGGCGAGGCTGTTCCGGGCCGGGATCTGCTGGACCTGCGCATCCT 1080
 Db 1708 TGAGCCACCCGAGGCGAGGCTGTTCCGGGCCGGGATCTGCTGGACCTGCGCATCCT 1767
 QY 1081 GGATAGTGCCTTCTCTGCTGTCCAGGTGCGCCCATCCCTGTTTATGAGGCTCCATTGTCCA 1140
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RESULT 9

US-09-685-166A-110
 ; Sequence 110, Application US/09685166A
 ; Patent No. 6630305
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C21
 ; CURRENT APPLICATION NUMBER: US/09/685,166A
 ; NUMBER OF SEQ ID NOS: 898
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 110
 ; LENGTH: 3410
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-685-166A-110
 Query Match 100.0%; Score 1234; DB 4; Length 3410;
 Best Local Similarity 100.0%; Pred. No. 1.9e-295;
 Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 TGCCAGGTGTGCTTCACTCCACTGGAGGCGCTCTCTGTGACCTCTTCCGGGACCCGGA 60
 Db 688 TGGCCAGGTGTGCTTCACTCCACTGGAGGCGCTCTCTGTGACCTCTTCCGGGACCCGGA 747
 QY 61 CCATGTGCGCAGGCTACTCTGTCTATGCTTCTATGATCAGTCTTGGGGCTGCTGGG 120
 Db 748 CCATGTGCGCAGGCTACTCTGTCTATGCTTCTATGATCAGTCTTGGGGCTGCTGGG 807
 QY 121 CTACCTCTGCTGCTGCTTACTGCTGACACAGGTGCGCCCTTACCTGGGACCCCA 180
 Db 808 CTACCTCTGCTGCTGCTTACTGCTGACACAGGTGCGCCCTTACCTGGGACCCCA 867
 QY 181 GGAGAGTGCTCTTTTGGGCTGCTCACTCCCTCATCTTCTCTCACTGCTAGCAGCCACT 240

Db 868 GGAGAGTGCTCTTTTGGCCTGCTCACCTCATCTTCTCACCTGCTAGCAGCCACT 927
 QY 241 GCTGGTGGCTAGAGAGCAGCGCTGGGCCCCCACCAGAGCCAGAGAGGCTGTGCGGCCCC 300
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 QY 301 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGGCCCGCTTGGCTTTTCCGGAACTCTGGGGCC 360
 Db 988 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGGCCCGCTTGGCTTTTCCGGAACTCTGGGGCC 1047
 QY 361 CCTGCTTCCCCTGCTGACCAAGCTGTGTGCTGCGCATGCCCCCGCACCTTGGCGGCTCTT 420
 Db 1048 CCTGCTTCCCCTGCTGACCAAGCTGTGTGCTGCGCATGCCCCCGCACCTTGGCGGCTCTT 1107
 QY 421 CGTGGCTGAGCTGTGACCTGGATGGCACTCATGACCTTTCACGCTGTTTACACGGATTT 480
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 QY 601 CCTGCTTCTCTCTGCTGTGTCAGGACCGGCTGGTCAGCGATTCGCGCATCTCAGGAGTCTA 660
 Db 1288 CCTGCTTCTCTCTGCTGTGTCAGGACCGGCTGGTCAGCGATTCGCGCATCTCAGGAGTCTA 1347
 QY 661 TTTGGCCAGTGTGGCAGCTTTTCCCTGTGGCTGCGCGGTGCCACATGCTTCTCCACAGTGT 720
 Db 1348 TTTGGCCAGTGTGGCAGCTTTTCCCTGTGGCTGCGCGGTGCCACATGCTTCTCCACAGTGT 1407
 QY 721 GGCGTGGTGAAGCTTTCAGCGGCTTACCGGGTTCACCTTCTCAGCCCTGCGAGATCCT 780
 Db 1408 GGCGTGGTGAAGCTTTCAGCGGCTTACCGGGTTCACCTTCTCAGCCCTGCGAGATCCT 1467
 QY 781 GCCCTACACCTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTTCCGCGGAGTACCG 840
 Db 1468 GCCCTACACCTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTTCCGCGGAGTACCG 1527
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 Db 1528 AGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTTGTATGACCAAGCTTCTTCCAGGCCC 1587
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 Db 1588 TAAGCTGGAGCTCCCTTCCCTTAATGAGACAGTGGGTGCTGGAGGAGTGGCTGCTCCC 1647
 QY 961 ACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCCTCCGTACGTGTGTTGGTGGG 1020
 Db 1648 ACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCCTCCGTACGTGTGTTGGTGGG 1707
 QY 1021 TGAGCCACCCGAGGCGAGGCTTCCGGGCCGGGATCTGCTGGACCTGCGCATCCT 1080
 Db 1708 TGAGCCACCCGAGGCGAGGCTTCCGGGCCGGGATCTGCTGGACCTGCGCATCCT 1767
 QY 1081 GGATAGTGCCTTCTCTGCTGTCCAGGTGCGCCCATCCCTGTTTATGAGGCTCCATTGTCCA 1140
 Db 1768 GGATAGTGCCTTCTCTGCTGTCCAGGTGCGCCCATCCCTGTTTATGAGGCTCCATTGTCCA 1827
 QY 1141 GCTCAGCCAGTCTGTCTACTGCTATATGCTGTCTGCGCAGGCTGGGTGCTGGTCCCAT 1200
 Db 1828 GCTCAGCCAGTCTGTCTACTGCTATATGCTGTCTGCGCAGGCTGGGTGCTGGTCCCAT 1887
 QY 1201 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1234
 Db 1888 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1921


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US-09-115-453-110
; Sequence 110, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115.453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-115-453-110

Query Match      100.0%; Score 1234; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 60
DB 688 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 747
QY 61 CCACCTGCGCAGGCCCTACTCTGTCTATGCTTCATGATCAGTCTTGGGGGCTGCCTGGG 120
DB 748 CCACCTGCGCAGGCCCTACTCTGTCTATGCTTCATGATCAGTCTTGGGGGCTGCCTGGG 807
QY 121 CTACTCTGCTGCCATTTGACTGGGACACAGTGGCCCTGGCCCCCTACCTGGGACCCCA 180
DB 808 CTACTCTGCTGCCATTTGACTGGGACACAGTGGCCCTGGCCCCCTACCTGGGACCCCA 867
QY 181 GGAGGAGTGCCTTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCACACT 240
DB 868 GGAGGAGTGCCTTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCACACT 927
QY 241 GCTGGTGGCTGAGAGGAGCGGCTGGGGCCGCCAGGACGACAGAGGCTGTGCGGCC 300
DB 928 GCTGGTGGCTGAGAGGAGCGGCTGGGGCCGCCAGGACGACAGAGGCTGTGCGGCC 987
QY 301 CTCCTGCTGCGCCCACTGCTGCTCATGCGGGCCGCTTGGCTTTCGGAACCTGGGCGC 360
DB 988 CTCCTGCTGCGCCCACTGCTGCTCATGCGGGCCGCTTGGCTTTCGGAACCTGGGCGC 1047
QY 361 CCTGCTTCCCGGCTGCACCACTGCTGCTGCGCATGCCCGCACCTGCGCGCCGCTCTT 420
DB 1048 CCTGCTTCCCGGCTGCACCACTGCTGCTGCGCATGCCCGCACCTGCGCGCCGCTCTT 1107
QY 421 CGTGGCTGAGCTGTCAGCTGGATGGCACTCATGACCTTCACTGCTGTTTACAGGATTT 480
DB 1108 CGTGGCTGAGCTGTCAGCTGGATGGCACTCATGACCTTCACTGCTGTTTACAGGATTT 1167
QY 481 CGTGGGAGGGGCTGTACAGGGCGTCCAGAGCTGAGCGGGACCGAGGCCCGGAG 540
DB 1168 CGTGGGAGGGGCTGTACAGGGCGTCCAGAGCTGAGCGGGACCGAGGCCCGGAG 1227
QY 541 ACATATGATGAAGCGTTCGATGGGCGAGCTTGGGGCTGTCTTCTGCACTGCGGCATCTC 600
DB 1228 ACATATGATGAAGCGTTCGATGGGCGAGCTTGGGGCTGTCTTCTGCACTGCGGCATCTC 1287
QY 601 CCTGGCTTCTCTCTGCTGATGAGACCGGCTGGTGGTGGAGTTCGGGCTGAGAGTCTA 660
DB 1288 CCTGGCTTCTCTCTGCTGATGAGACCGGCTGGTGGTGGAGTTCGGGCTGAGAGTCTA 1347
QY 661 TTTGGCCAGTGGGAGCTTTCCTGCTGGCTGGCGGTCGCACATGCTGCTGCCACAGTGT 720
DB 1348 TTTGGCCAGTGGGAGCTTTCCTGCTGGCTGGCGGTCGCACATGCTGCTGCCACAGTGT 1407
QY 721 GGCCGCTGGTACAGCTTTCAGCGGCCCTCACCGGGTTCACCTTCTCAGCCCTGACAGATCCT 780
DB 1407 GGCCGCTGGTACAGCTTTCAGCGGCCCTCACCGGGTTCACCTTCTCAGCCCTGACAGATCCT 780

US-09-688-489-110
; Sequence 110, Application US/09688489
; Patent No. 6664377
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D2
; CURRENT APPLICATION NUMBER: US/09/688.489
; CURRENT FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-688-489-110

Query Match      100.0%; Score 1234; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 60
DB 688 TGGCCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 747
QY 61 CCACCTGCGCAGGCCCTACTCTGTCTATGCTTCATGATCAGTCTTGGGGGCTGCCTGGG 120
DB 748 CCACCTGCGCAGGCCCTACTCTGTCTATGCTTCATGATCAGTCTTGGGGGCTGCCTGGG 807
QY 121 CTACTCTGCTGCCATTTGACTGGGACACAGTGGCCCTGGCCCCCTACCTGGGACCCCA 180
DB 808 CTACTCTGCTGCCATTTGACTGGGACACAGTGGCCCTGGCCCCCTACCTGGGACCCCA 867
QY 181 GGAGGAGTGCCTTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCACACT 240
DB 868 GGAGGAGTGCCTTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCACACT 927
QY 241 GCTGGTGGCTGAGAGGAGCGGCTGGGGCCGCCAGGACGACAGAGGCTGTGCGGCC 300
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Db 1168 CGTGGCGAGGGGCTGTACCAAGGCGTGTCCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1227
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US-09-679-426-110
; Sequence 110, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-110

Query Match 100.0%; Score 1234; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-395;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 688 TGGCCAGGTGTGCTTCACTCCACTGGAGGCGCTCTCTGACCTCTTCCGGGACCCGGA 747
Qy 61 CCATGTGCGCAGCGCTACTCTGTATGCTTTCATGATCAGTCTTGGGGCTGCTGGG 120
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Qy 121 CTACCTCTGCTGCCATTGACTGGGACACAGTGCCTTGGCCCCCTACCTGGGACCCCA 180
Db 808 CTACCTCTGCTGCCATTGACTGGGACACAGTGCCTTGGCCCCCTACCTGGGACCCCA 867
Qy 181 GGAGGAGTGCCTCTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCCACACT 240
Db 868 GGAGGAGTGCCTCTTTGGCCCTGCTCACCTCATCTTCTCACCTGCGTAGCAGCCACACT 927
Qy 241 GCTGGTGGCTGAGAGGAGCGCTGGGCCCCACCCGACGCCAGCAGAGGGCTGTGGGCCCC 300
Db 928 GCTGGTGGCTGAGAGGAGCGCTGGGCCCCACCCGACGCCAGCAGAGGGCTGTGGGCCCC 987
Qy 301 CTCCTTGTGCGGCCCACTGCTGTCCATGCGGGCGCGCTTGGCTTTCGGGACCTGGGGCC 360
Db 988 CTCCTTGTGCGGCCCACTGCTGTCCATGCGGGCGCGCTTGGCTTTCGGGACCTGGGGCC 1047
Qy 361 CCTCTTTCCTCCCGCTGCAACAGCTGTGTGCGGCATGCCCGCACCTTGCGCCCGCTCTT 420
Db 1048 CCTCTTTCCTCCCGCTGCAACAGCTGTGTGCGGCATGCCCGCACCTTGCGCCCGCTCTT 1107
Qy 421 CGTGGCTGAGCTGTGCACTGAGTGGCACTCATGACCTTTCACGCTGTTTACAGGATTT 480
Db 1108 CGTGGCTGAGCTGTGCACTGAGTGGCACTCATGACCTTTCACGCTGTTTACAGGATTT 1167
Qy 481 CGTGGCGAGGGGCTGTACCAAGGCGTGTCCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 540
Db 1168 CGTGGCGAGGGGCTGTACCAAGGCGTGTCCAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1227

Db 1528 AGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCCTGATGACCAGCTTCTCTGCCAGGCC 1587
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Qy 1021 TGAGCCCAACGAGGCCAGGGTGGTTCGGGCCGGGGCATCTGCTGGACCTCGGCCATCCT 1080
Db 1708 TGAGCCCAACGAGGCCAGGGTGGTTCGGGCCGGGGCATCTGCTGGACCTCGGCCATCCT 1767
Qy 1081 GGATAGTGCCTTCCCTGCTGCTCCAGGTGGCCCATCCCTGTTATGGGCTCCATGTCCA 1140
Db 1768 GGATAGTGCCTTCCCTGCTGCTCCAGGTGGCCCATCCCTGTTATGGGCTCCATGTCCA 1827
Qy 1141 GTCAGCCAGTCTGTCACTGCTATATGGTGTCTGCCGAGGCCCTGGGTCTGGTGGCCAT 1200
Db 1828 GTCAGCCAGTCTGTCACTGCTATATGGTGTCTGCCGAGGCCCTGGGTCTGGTGGCCAT 1887
Qy 1201 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1234
Db 1888 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1921

RESULT 14

US-09-651-236-110
; Sequence 110, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-651-236-110

Query Match 100.0%; Score 1234; DB 4; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.9e-295;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 688 TGGCAGGTGCTTCACTCCACTGGAGGCCCTGCTCTGACCTCTTCCGGGACCCGGA 747
Qy 61 CCATGTGCGCAGGCCCTACTGTCTATGCTATGCTTGGGCTGGCTGGG 120

Db 748 CCACTGTGCGCAGGCCCTACTCTGTATGCTTCAATGATCAGTCTTGGGGGCTGCTGGG 807
Qy 121 CTACTCTCTGCTGCCATTGACTGGGACACAGTGCCTGCCCTTACCTTGGGACCCCA 180
Db 808 CTACTCTCTGCTGCCATTGACTGGGACACAGTGCCTGCCCTTACCTTGGGACCCCA 867
Qy 181 GGAGAGTGCCTTTTGGCCTGTCTCACCTCATCTTCTCACTGCTGGTAGCAGCCACT 240
Db 868 GGAGAGTGCCTTTTGGCCTGTCTCACCTCATCTTCTCACTGCTGGTAGCAGCCACT 927
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Qy 361 CTCTTTCGCCGCTGCACCAAGCTGTGTCGCGCATGCGCCGCACTTGCCTGCGCTCTT 420
Db 1048 CTCTTTCGCCGCTGCACCAAGCTGTGTCGCGCATGCGCCGCACTTGCCTGCGCTCTT 1107
Qy 421 CGTGGCTGAGCTGTGAGCTGGATGGCACTCATGACCTTACGCTGTTTACACGGATTT 480
Db 1108 CGTGGCTGAGCTGTGAGCTGGATGGCACTCATGACCTTACGCTGTTTACACGGATTT 1167
Qy 481 CGTGGCGAGGGGCTGTACCAAGGCGTGCACAGAGCTGAGCGGGGACCCGAGGCCCGGAG 540
Db 1168 CGTGGCGAGGGGCTGTACCAAGGCGTGCACAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1227
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Db 1228 ACATATGATGAAGGCGTTGGATGGGAGCCTCGGGCTGTTCTTGCAGTGCCTCATCTC 1287
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Db 1288 CCTGCTTCTCTCTGCTCATGGACCGGCTGGTGCAGGGATTCGGCACTCGAGCAGTCTA 1347
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGGTGCCACATGCTTCCACAGTGT 720
Db 1348 TTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGGTGCCACATGCTTCCACAGTGT 1407
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Db 1408 GGCGTGGTGAAGCTTCAAGCCGCTCAACCGGGTTCACCTTTCAGGCCCTGAGATCCT 1467
Qy 781 GCCCTACACTGGCTGCCCTTACCAACCGGGGAGCAGGCTTCTTCCGCGCAATACCG 840
Db 1468 GCCCTACACTGGCTGCCCTTACCAACCGGGGAGCAGGCTTCTTCCGCGCAATACCG 1527
Qy 841 AGGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCTGATGACCAGCTTCTTCCAGGGCCC 900
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RESULT 15

US-09-636-215-703
; Sequence 703, Application US/09636215

; Patent No. 6620322

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636,215

; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 703

; LENGTH: 2904

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-636-215-703

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Best Local Similarity 77.2%; Pred. No. 2.3e-188;

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Qy 1122 TTATGGGCTCATTGTCCAGTCCAGTCTGTCTGCTGTCCAGGTGGCCCATCCCTGT 1181
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2005, 03:52:53 ; Search time 894.816 Seconds
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Gapop 10.0 , Gapext 1.0

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- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
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- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
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- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
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- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
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- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1234	100.0	1662	16	US-10-005-907-12
2	1234	100.0	1662	17	US-10-295-027-547
3	1234	100.0	2133	15	US-10-296-770-3
4	1234	100.0	2582	17	US-10-295-027-901
5	1234	100.0	3320	9	US-09-838-785-1
6	1234	100.0	3332	21	US-10-936-626-21
7	1234	100.0	3332	21	US-10-938-061-21

8	1234	100.0	3410	9	US-09-745-288-100	Sequence 100, App
9	1234	100.0	3410	9	US-09-759-143-110	Sequence 110, App
10	1234	100.0	3410	9	US-09-780-669-110	Sequence 110, App
11	1234	100.0	3410	9	US-09-030-806-110	Sequence 110, App
12	1234	100.0	3410	9	US-09-822-827-110	Sequence 110, App
13	1234	100.0	3410	9	US-09-115-453-110	Sequence 110, App
14	1234	100.0	3410	9	US-09-232-880-110	Sequence 110, App
15	1234	100.0	3410	9	US-09-895-793-110	Sequence 110, App
16	1234	100.0	3410	9	US-09-895-814-110	Sequence 110, App
17	1234	100.0	3410	13	US-10-012-896-110	Sequence 110, App
18	1234	100.0	3410	14	US-10-010-940-110	Sequence 110, App
19	1234	100.0	3410	16	US-10-144-678A-110	Sequence 110, App
20	1234	100.0	3410	16	US-10-294-025-110	Sequence 110, App
21	1234	100.0	3410	18	US-10-453-919-100	Sequence 100, App
22	1234	100.0	3410	19	US-10-688-838-110	Sequence 110, App
23	1232.4	99.9	1702	19	US-10-403-142-1	Sequence 1, Appli
24	868.4	70.4	918	16	US-10-144-678A-1027	Sequence 1027, Ap
25	868.4	70.4	918	16	US-10-294-025-1027	Sequence 1027, Ap
26	801	64.9	2904	9	US-09-759-143-703	Sequence 703, App
27	801	64.9	2904	9	US-09-780-669-703	Sequence 703, App
28	801	64.9	2904	9	US-09-822-827-703	Sequence 703, App
29	801	64.9	2904	9	US-09-895-793-703	Sequence 703, App
30	801	64.9	2904	9	US-09-895-814-703	Sequence 703, App
31	801	64.9	2904	13	US-10-012-896-703	Sequence 703, App
32	801	64.9	2904	16	US-10-144-678A-703	Sequence 703, App
33	801	64.9	2904	16	US-10-294-025-703	Sequence 703, App
34	745	60.4	2152	9	US-09-841-894-16	Sequence 16, Appli
35	737	59.7	2143	9	US-09-841-894-15	Sequence 15, Appli
36	693	56.2	741	16	US-10-144-678A-1026	Sequence 1026, Ap
37	693	56.2	741	16	US-10-294-025-1026	Sequence 1026, Ap
38	683.4	55.4	4034	9	US-09-759-143-704	Sequence 704, App
39	683.4	55.4	4034	9	US-09-780-669-704	Sequence 704, App
40	683.4	55.4	4034	9	US-09-822-827-704	Sequence 704, App
41	683.4	55.4	4034	9	US-09-895-793-704	Sequence 704, App
42	683.4	55.4	4034	9	US-09-895-814-704	Sequence 704, App
43	683.4	55.4	4034	13	US-10-012-896-704	Sequence 704, App
44	683.4	55.4	4034	16	US-10-144-678A-704	Sequence 704, App
45	683.4	55.4	4034	16	US-10-294-025-704	Sequence 704, App

ALIGNMENTS

RESULT 1
US-10-005-907-12
; Sequence 12, Application US/10005907
; Publication No. US20030166881A1
; GENERAL INFORMATION:
; APPLICANT: Union Chimique Belge, S.A.
; APPLICANT: No. US20030166881A1ka, Karl
; APPLICANT: Pirozzi, Gregory
; APPLICANT: Einstein, Richard
; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
; FILE REFERENCE: 053529-5005
; CURRENT APPLICATION NUMBER: US/10/005,907
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match 100.0%; Score 1234; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGGCCAGGTGTGCTTCACTCCACTGAGAGGCCCTGTCTCTGTGACCTCTCTCCGGGACCCCGGA 60
Db 405 TGGCCAGGTGTGCTTCACTCCACTGAGAGGCCCTGTCTCTGTGACCTCTCTCCGGGACCCCGGA 464
QY 61 CCACGTGCGCCAGGCGTCTGTCTATGCGCTTCACTGATCATGCTTGGGGGTGCTCGG 120
Db 465 CCACGTGCGCCAGGCGTCTGTCTATGCGCTTCACTGATCATGCTTGGGGGTGCTCGG 524
QY 121 CTACCTCTCTGCGCTGCACTTGAAGTGGGACACAGTGCCTTGGGCCCTTACCTGGGACCCCA 180
Db 525 CTACCTCTCTGCGCTGCACTTGAAGTGGGACACAGTGCCTTGGGCCCTTACCTGGGACCCCA 584
QY 181 GGAGAGTGCCTCTTTGGGCTGCTCACTCTCATCTTCTCTCACTCGGTAGCAGCCACT 240
Db 585 GGAGAGTGCCTCTTTGGGCTGCTCACTCTCATCTTCTCTCACTCGGTAGCAGCCACT 644
QY 241 GCTGTGGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGCAGAGGCGTGTGGGCC 300
Db 645 GCTGTGGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGCAGAGGCGTGTGGGCC 704
QY 301 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGCCCGCTTGGCTTCCGGAACTTGGGCGC 360
Db 705 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGCCCGCTTGGCTTCCGGAACTTGGGCGC 764
QY 361 CTGCTTCCCGGCTGCACTGCTGTGCTGCGCATGCGCCGCACTCGCGCGGCTCTT 420
Db 765 CTGCTTCCCGGCTGCACTGCTGTGCTGCGCATGCGCCGCACTCGCGCGGCTCTT 824
QY 421 CGTGGCTGAGCTGCTGAGTGCATGCGCACTCATGACCTTCACTGCTTTTACACGATTT 480
Db 825 CGTGGCTGAGCTGCTGAGTGCATGCGCACTCATGACCTTCACTGCTTTTACACGATTT 884
QY 481 CGTGGCCAGAGGCGCTGTACAGGGCGGTGCGAGAGCTGAGCGCGGCACCGAGGCCCGGAG 540
Db 885 CGTGGCCAGAGGCGCTGTACAGGGCGGTGCGAGAGCTGAGCGCGGCACCGAGGCCCGGAG 944
QY 541 ACATATGATGAAGCGTTTCGATGGGAGCGCTGGGGCTGTTCCTGCACTGCGCCATCTC 600
Db 945 ACATATGATGAAGCGTTTCGATGGGAGCGCTGGGGCTGTTCCTGCACTGCGCCATCTC 1004
QY 601 CTTGCTTCTCTCTGCTCATGAGCGGCTGTGAGCGGATTCGGCACTCGAGAGTCTA 660
Db 1005 CTTGCTTCTCTCTGCTCATGAGCGGCTGTGAGCGGATTCGGCACTCGAGAGTCTA 1064
QY 661 TTTGGCCAGTGTGGAGCTTTCCCTGTGGCTGCGGTCGCCATGCTCTGCCACAGTGT 720
Db 1065 TTTGGCCAGTGTGGAGCTTTCCCTGTGGCTGCGGTCGCCATGCTCTGCCACAGTGT 1124
QY 721 GGCCTGTGTGACGCTTACGCGCCCTCACTCGGGTTCACTTCTCAGCCCTGCGAGATCCT 780
Db 1125 GGCCTGTGTGACGCTTACGCGCCCTCACTCGGGTTCACTTCTCAGCCCTGCGAGATCCT 1184
QY 781 GCGCTACACACTGCGCTCCCTCTACACCGGAGAGCAGGTTTCTGCGCCCAATACCG 840
Db 1185 GCGCTACACACTGCGCTCCCTCTACACCGGAGAGCAGGTTTCTGCGCCCAATACCG 1244
QY 841 AGGGGACACTGAGGTGTAGCAGTGAGGACAGCCCTGATGACAGCTTCTTCCGACGGGCC 900
Db 1245 AGGGGACACTGAGGTGTAGCAGTGAGGACAGCCCTGATGACAGCTTCTTCCGACGGGCC 1304
QY 901 TAAGCTGTGAGCTTCCCTTAAATGAGACAGTGGGTGTGAGCAGTGGCTGCTGCC 960
Db 1305 TAAGCTGTGAGCTTCCCTTAAATGAGACAGTGGGTGTGAGCAGTGGCTGCTGCC 1364
QY 961 ACCTCCACCGCGCTGTGGGGCTCTGCGCTGATGCTCTCGTACGTTGGTGGTGG 1020
Db 1365 ACCTCCACCGCGCTGTGGGGCTCTGCGCTGATGCTCTCGTACGTTGGTGGTGG 1424
QY 1021 TGAGCCACCGAGGCGAGGGTGGTTCCGGGCCGGGGCATCTGCTTGGACCTCGCCATCCT 1080
Db 1425 TGAGCCACCGAGGCGAGGGTGGTTCCGGGCCGGGGCATCTGCTTGGACCTCGCCATCCT 1484
QY 1081 GGATAGTCTTCTGCTGTGCCAGGTGGGCCCACTCCCTGTTTATGGGCTCATTTGTCCA 1140

Db 1485 GGAATAGTGCCTTCTGTGCTGCCAGGTGGGCCCATCCCTGTTTATGGGCTCCATTTGTCCA 1544
QY 1141 GCTCAGCCAGTCTGTCACTGCTATATGCTGTGCGCAGGCTTGGGTGCGCAT 1200
Db 1545 GCTCAGCCAGTCTGTCACTGCTATATGCTGTGCGCAGGCTTGGGTCTGGTCCCAT 1604
QY 1201 TTACTTTGCTACACAGGCTAGTATTTGACAAGAGC 1234
Db 1605 TTACTTTGCTACACAGGCTAGTATTTGACAAGAGC 1638
RESULT 2
US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547
Query Match 100.0%; Score 1234; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGGCCAGGTGTGCTTCACTCCACTGAGAGGCCCTGTCTCTGTGACCTCTCTCCGGGACCCCGGA 60
Db 405 TGGCCAGGTGTGCTTCACTCCACTGAGAGGCCCTGTCTCTGTGACCTCTCTCCGGGACCCCGGA 464
QY 61 CCACGTGCGCCAGGCGTCTGTCTATGCGCTTCACTGATCATGCTTGGGGGTGCTCGG 120
Db 465 CCACGTGCGCCAGGCGTCTGTCTATGCGCTTCACTGATCATGCTTGGGGGTGCTCGG 524

Db 1392 ACATATGATGAAGCGTTTCGGATGGCAGCCTTGGGGCTGTTCTCTGAGTGGCCATCTC 1451
Qy 601 CCGTGTCTTCTCTGCTCATGAGCCGGCTGGTGCAGGATTTGGSCACTTCGAGCAGTCTA 660
Db 1452 CCGTGTCTTCTCTGCTCATGAGCCGGCTGGTGCAGGATTCGGCACTTCGAGCAGTCTA 1511
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATGCCCTGTCCACAGTGT 720
Db 1512 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATGCCCTGTCCACAGTGT 1571
Qy 721 GGCCTGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTCAGCCCTGCAGATCCT 780
Db 1572 GGCCTGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTCAGCCCTGCAGATCCT 1631
Qy 781 GCCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTGCGCCCAATACCG 840
Db 1632 GCCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTGCGCCCAATACCG 1691
Qy 841 AGGGACACTGGAGTGTCTAGCAGTGAGGACAGCCCTGATGACCACTTCTGCGCAGGCC 900
Db 1692 AGGGACACTGGAGTGTCTAGCAGTGAGGACAGCCCTGATGACCACTTCTGCGCAGGCC 1751
Qy 901 TAAGCTGTGAGCTCCCTTCCCTAAATGAGACA CGTGGGTGCTGAGGAGCAGTGGCTCTCCC 960
Db 1752 TAAGCTGTGAGCTCCCTTCCCTAAATGAGACA CGTGGGTGCTGAGGAGCAGTGGCTCTCCC 1811
Qy 961 ACTCCACCCGGCTCTCGGGGGCTCTGCGGCTGTGATGTCCTGACGTGTGGTGGTGGG 1020
Db 1812 ACTCCACCCGGCTCTCGGGGGCTCTGCGGCTGTGATGTCCTGACGTGTGGTGGTGGG 1871
Qy 1021 TGAGCCCAACGAGGCGAGGTGGTTCCGGGCGCGGGGCATCTGCCCTGGACCTCGCCATCCT 1080
Db 1872 TGAGCCCAACGAGGCGAGGTGGTTCCGGGCGCGGGGCATCTGCCCTGGACCTCGCCATCCT 1931
Qy 1081 GGATAGTGGCTTCTGCTGTGCCAGGTGCCAGGTGGCCGCCATCCCTGTTATGGGCTCGATGTCGA 1140
Db 1932 GGATAGTGGCTTCTGCTGTGCCAGGTGCCAGGTGGCCGCCATCCCTGTTATGGGCTCGATGTCGA 1991
Qy 1141 GCTCAGCAGTCTGTCACTGCTATATGTTGTCCTCCGAGGCTGGGTCTGGTGGCCAT 1200
Db 1992 GCTCAGCAGTCTGTCACTGCTATATGTTGTCCTCCGAGGCTGGGTCTGGTGGCCAT 2051
Qy 1201 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1234
Db 2052 TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 2085

RESULT 4

US-10-295-027-901
; Sequence 901, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Azi, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT FILING DATE: 2002-11-13
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 901
; LENGTH: 2582
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(2582)
; OTHER INFORMATION: n = g, a, c or t
US-10-295-027-901

Query Match 100.0%; Score 1234; DB 17; Length 2582;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCAGTGTGCTTCACTCCACCTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 60
Db 714 TGGCCAGTGTGCTTCACTCCACCTGGAGGCCCTGCTCTCTGACCTCTTCCGGGACCCGGA 773
Qy 61 CCATGTGCGCAGCGCTACTCTGTCTATGCTTATGCTCATGATCAGTCTTGGGGGCTGCTGGG 120
Db 774 CCATGTGCGCAGCGCTACTCTGTCTATGCTTATGCTTATGATCAGTCTTGGGGGCTGCTGGG 833
Qy 121 CTACCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGCGCCCTACCTGGGACCCCA 180
Db 834 CTACCTCTGCTGCCATTGACTGGGACACAGTGGCCCTGCGCCCTACCTGGGACCCCA 893
Qy 181 GGAGGAGTGCCTCTTTGGCCTGCTCACCTCATCTTCTCCTGCTGCTAGCAGCACA 240
Db 894 GGAGGAGTGCCTCTTTGGCCTGCTCACCTCATCTTCTCCTGCTGCTAGCAGCACA 953
Qy 241 GCTGCTGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGAGGGCTGTGGGCCCC 300
Db 954 GCTGCTGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGAGGGCTGTGGGCCCC 1013
Qy 301 CTCTTGTGCGCCCACTGCTGTCCATGCGCGGGCCGCTTGGCTTTCGGGAACCTGGGGCGC 360
Db 1014 CTCTTGTGCGCCCACTGCTGTCCATGCGCGGGCCGCTTGGCTTTCGGGAACCTGGGGCGC 1073
Qy 361 CCTGCTTTCGGGCTGCACCACTGCTGTGCGCATGCCCCGACCCCTGCGCCCGCTCTT 420
Db 1074 CCTGCTTTCGGGCTGCACCACTGCTGTGCGCATGCCCCGACCCCTGCGCCCGCTCTT 1133
Qy 421 CGTGGCTGAGCTGTGAGCTGGATGGCACTCATGACCTTACGCTGTTTACACGATTT 480
Db 1134 CGTGGCTGAGCTGTGAGCTGGATGGCACTCATGACCTTACGCTGTTTACACGATTT 1193
Qy 481 CGTGGGCGAGGGCTGTACACAGGGCGTCCCGAGAGCTGAGCGGGGACCCGAGGCCCGGAG 540
Db 1194 CGTGGGCGAGGGCTGTACACAGGGCGTCCCGAGAGCTGAGCGGGGACCCGAGGCCCGGAG 1253
Qy 541 ACATATGATGAAGCGGTTCGGATGGGAGCCTGGGGCTGTTCTCTGAGTGGCCATCTC 600
Db 1254 ACATATGATGAAGCGGTTCGGATGGGAGCCTGGGGCTGTTCTCTGAGTGGCCATCTC 1313
Qy 601 CCTGGTCTTCTCTGCTCATGGACCGGCTGGTCAGCGGATTCGGCACTTCGAGCAGTCTA 660

Db 1314 CCTGGTCTTCTCTGTGTCATGGACCGGCTGGTGACGGATTTCGGCACTCGAGCAGTCTA 1373
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCGGTGCGACATGCGCTGTCCACAGTGT 720
Db 1374 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCGGTGCGACATGCGCTGTCCACAGTGT 1433
Qy 721 GGCGTGTGTACAGCTTTCAGCGGCTTACACCGGTTTACCTTTCAGCGCTTGCAGATCCT 780
Db 1434 GGCGTGTGTACAGCTTTCAGCGGCTTTCAGCGGTTTACCTTTCAGCGCTTGCAGATCCT 1493
Qy 781 GCCCTACACACTGGCTCCCTCTACCAACCGGGAGAGCAGTGTTCCTGCCAATACCG 840
Db 1494 GCCCTACACACTGGCTCCCTCTACCAACCGGGAGAGCAGTGTTCCTGCCAATACCG 1553
Qy 841 AGGGGACACTGGAGTGTCTAGCAGTGGAGCAGCTGATGACAGCTTCTCTGCCAGGCCC 900
Db 1554 AGGGGACACTGGAGTGTCTAGCAGTGGAGCAGCTGATGACAGCTTCTCTGCCAGGCCC 1613
Qy 901 TAAGCCTGGAGCTCCCTTCCCTAATGGACAGCTGGGTGCTGGAGGCAAGTGGCTGTCTCC 960
Db 1614 TAAGCCTGGAGCTCCCTTCCCTAATGGACAGCTGGGTGCTGGAGGCAAGTGGCTGTCTCC 1673
Qy 961 ACCTCCACCGGCTCTGCGGGGCTCTGCGGTGATGATGCTCCGTACAGTGTGGTGGG 1020
Db 1674 ACCTCCACCGGCTCTGCGGGGCTCTGCGGTGATGATGCTCCGTACAGTGTGGTGGG 1733
Qy 1021 TGAGCCACAGGAGGCTGGGTTCGCGGGGCGGGGATCTGCGCTGGACCTTCGCCATCCT 1080
Db 1734 TGAGCCACAGGAGGCTGGGTTCGCGGGGCGGGGATCTGCGCTGGACCTTCGCCATCCT 1793
Qy 1081 GGATAGTCCCTTCTGCTGCCAGGTGGCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1140
Db 1794 GGATAGTCCCTTCTGCTGCCAGGTGGCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1853
Qy 1141 GCTCAGCAGTCTGTCTACTGCTATATGTTGTTCTGCGCGAGGCTGGGTCTGGTGGCAT 1200
Db 1854 GCTCAGCAGTCTGTCTACTGCTATATGTTGTTCTGCGCGAGGCTGGGTCTGGTGGCAT 1913
Qy 1201 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1234
Db 1914 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1947

RESULT 5

US-09-838-785-1
; Sequence 1, Application US/09838785
; Patent No. US2002009455A1
; GENERAL INFORMATION:
; APPLICANT: Lau, Ted
; APPLICANT: Lin, Rick
; APPLICANT: Parkes, Debbie
; APPLICANT: Parry, Gordon
; APPLICANT: Schneider, Douglas
; APPLICANT: Steinbrecher, Renate
; APPLICANT: Van Heuit, Pam T
; APPLICANT: Wu, John
; TITLE OF INVENTION: DNA Encoding a No. US2002009455A1el PROST 03
; FILE REFERENCE: 51831AUSM1
; CURRENT APPLICATION NUMBER: US/09/838,785
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/200,065
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3320
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (282)..(1943)
US-09-838-785-1

Query Match 100.0%; Score 1234; DB 9; Length 3320;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGGCCAGTGTGCTTCACTCCACTGGAGGCGCTCTCTCTGACCTCTTCCGGGACCCGGA 60
Db 686 TGGCCAGTGTGCTTCACTCCACTGGAGGCGCTCTCTCTGACCTCTTCCGGGACCCGGA 745
Qy 61 CCATGTGCGCAGGCTTCTGTCTATGCTTCTCATGATCAGTCTTGGGGGCTGCTTGGG 120
Db 746 CCATGTGCGCAGGCTTCTGTCTATGCTTCTCATGATCAGTCTTGGGGGCTGCTTGGG 805
Qy 121 CTACTCTCTGCTGCTTCACTGGGACACAGTGGCTTGGCCCCCTTACCTGGGACACCA 180
Db 806 CTACTCTCTGCTGCTTCACTGGGACACAGTGGCTTGGCCCCCTTACCTGGGACACCA 865
Qy 181 GGAGGAGTGTCTTTGGGCTGCTCACCTCATCTTCTCATCTGCTGCTAGCAGCACA 240
Db 866 GGAGGAGTGTCTTTGGGCTGCTCACCTCATCTTCTCATCTGCTGCTAGCAGCACA 925
Qy 241 GCTGGTGGCTGAGGAGCAGCTGGGCCCCACCGAGCCAGCAGAGGGCTGTGCGGCC 300
Db 926 GCTGGTGGCTGAGGAGCAGCTGGGCCCCACCGAGCCAGCAGAGGGCTGTGCGGCC 985
Qy 301 CTCTTGTTCGCCCACTGTCTTCCATGCCGGGCGCTTGGCTTTCGGGAACTTGGGCGC 360
Db 986 CTCTTGTTCGCCCACTGTCTTCCATGCCGGGCGCTTGGCTTTCGGGAACTTGGGCGC 1045
Qy 361 CTGTCTTCCCGGCTGACAGCTGTGCTGCGGATGCTGCGGACGCTGCGGCGCTCTT 420
Db 1046 CTGTCTTCCCGGCTGACAGCTGTGCTGCGGATGCTGCGGACGCTGCGGCGCTCTT 1105
Qy 421 CBTGGCTGACCTGTGACAGCTGGATGGCACTCATGACCTTTCACGCTGTTTACACGATTT 480
Db 1106 CBTGGCTGACCTGTGACAGCTGGATGGCACTCATGACCTTTCACGCTGTTTACACGATTT 1165
Qy 481 CBTGGGCGAGGGCTGTACAGGGCGTGCAGAGCTGAGCCGGGCAACCGAGGCCCGAG 540
Db 1166 CBTGGGCGAGGGCTGTACAGGGCGTGCAGAGCTGAGCCGGGCAACCGAGGCCCGAG 1225
Qy 541 ACATATGATGAAGGCTTCGGATGGGAGCTGCGGCTGGGCTGTTCTGAGTGGGCACTC 600
Db 1226 ACATATGATGAAGGCTTCGGATGGGAGCTGCGGCTGGGCTGTTCTGAGTGGGCACTC 1285
Qy 601 CBTGCTTCTCTCTGTCATGGACCGGCTGGTGCAGCGATTCGGGCACTCGAGCAGTCTA 660
Db 1286 CBTGCTTCTCTCTGTCATGGACCGGCTGGTGCAGCGATTCGGGCACTCGAGCAGTCTA 1345
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCACATGCTGTCCTCCACAGTGT 720
Db 1346 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCACATGCTGTCCTCCACAGTGT 1405
Qy 721 GGCGTGTGTACAGCTTTCAGCGGCTTACCGGGTTTCACTTCTCAGCGCTTGCAGATCCT 780
Db 1406 GGCGTGTGTACAGCTTTCAGCGGCTTACCGGGTTTCACTTCTCAGCGCTTGCAGATCCT 1465
Qy 781 GCCTTACACACTGCGCTCCCTCTACCAACCGGAGAGCAGTGTTCCTGCCAATACCG 840
Db 1466 GCCTTACACACTGCGCTCCCTCTACCAACCGGAGAGCAGTGTTCCTGCCAATACCG 1525
Qy 841 AGGGGACACTGGAGTGTCTAGCAGTGGAGCAGCTTATGACAGGCTTCTTGGCAGGCCC 900
Db 1526 AGGGGACACTGGAGTGTCTAGCAGTGGAGCAGCTTATGACAGGCTTCTTGGCAGGCCC 1585
Qy 901 TAAGCCTGGAGCTCCCTTCCCTAATGGACAGTGGGTGCTGGAGGCAAGTGGCTGTCTCC 960
Db 1586 TAAGCCTGGAGCTCCCTTCCCTAATGGACAGTGGGTGCTGGAGGCAAGTGGCTGTCTCC 1645
Qy 961 ACCTCCACCGGCTCTGCGGGGCTCTGCTGTGATGCTCCGTACGTGTGGTGGG 1020
Db 1646 ACCTCCACCGGCTCTGCGGGGCTCTGCTGTGATGCTCCGTACGTGTGGTGGG 1705
Qy 1021 TGAGCCACAGGAGGCTGGTTCGCGGGCGGGGCACTGTGCTGGACCTTCGCCATCCT 1080

Db 1706 TGAGCCACAGGCGAGGGTGGTTCGGGCGGGGCACTGCGCTGGACCTCGGCATCCT 1765
Qy 1081 GGATAGTGCCTTCCTGCTGCTCCAGGTGGCCCAATCCCTGTTATGGGCTCCATTGTCCA 1140
Db 1766 GGATAGTGCCTTCCTGCTGCTCCAGGTGGCCCAATCCCTGTTATGGGCTCCATTGTCCA 1825
Qy 1141 GCTCAGGCAGTCTGTCACTGCTATATATGTTGTTGCTGCGCAGGCGCTGGGTCTGGTGCCTAT 1200
Db 1826 GCTCAGGCAGTCTGTCACTGCTATATATGTTGTTGCTGCGCAGGCGCTGGGTCTGGTGCCTAT 1885
Qy 1201 TTACTTTGCTACACAGGTAGTATTGACAAGGC 1234
Db 1886 TTACTTTGCTACACAGGTAGTATTGACAAGGC 1919

RESULT 6

US-10-936-626-21
; Sequence 21, Application US/10936626
; Publication No. US20050106644A1
; GENERAL INFORMATION:
; APPLICANT: Cairns, Belinda
; APPLICANT: Chen, Ruihuan
; APPLICANT: Frantz, Gretchen
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Koepfen, Hartmut
; APPLICANT: Phillips, Heidi S.
; APPLICANT: Polakis, Paul
; APPLICANT: Spencer, Susan D.
; APPLICANT: Smith, Victoria
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wu, Thomas D.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Compositions and Methods for the Diagnosis and
; TITLE OF INVENTION: Treatment of Tumor
; FILE REFERENCE: P5001RIP1
; CURRENT APPLICATION NUMBER: US/10/936,626
; PRIOR FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: US 10/872,991
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/872,972
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/241,220
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 10/177,488
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 60/299,500
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: US 60/301,880
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/323,268
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 21
; LENGTH: 3332
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-936-626-21

Query Match 100.0%; Score 1234; DB 21; Length 3332;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGGCAGGTGCTTCACTCCACCTGGAGGCCCTGCTCTGTGACCTCTTCGGGACCCGGA 60
Db 694 TGGCAGGTGCTTCACTCCACCTGGAGGCCCTGCTCTGTGACCTCTTCGGGACCCGGA 753
Qy 61 CCATGTGCGCAGGCGCTACTGTCTATGCTTATGCTTATGATCAGTCTTGGGGGCTGCTGGG 120

Db 754 CCACTGTGCGCAGGCGCTACTCTGTCTATGCTTCAATGATCAGTCTTGGGGGCTGCTGGG 813
Qy 121 CTACTCTCTGCTGCCATTGACTGGGACACAGGTGCCCTGGCCCCCTTACTCTGGGACCCCA 180
Db 814 CTACTCTCTGCTGCCATTGACTGGGACACAGGTGCCCTGGCCCCCTTACTCTGGGACCCCA 873
Qy 181 GGAGAGTGCCTCTTTTGGCCCTGTCTCACCTCATCTTCTCACCTGCGTGTGAGGACACACT 240
Db 874 GGAGAGTGCCTCTTTTGGCCCTGTCTCACCTCATCTTCTCACCTGCGTGTGAGGACACACT 933
Qy 241 GCTGGTGGCTGAGAGGAGGCGCTGGGCCCCCACCAGGACGACAGAGGGCTGTGGGCCCC 300
Db 934 GCTGGTGGCTGAGAGGAGGCGCTGGGCCCCCACCAGGACGACAGAGGGCTGTGGGCCCC 993
Qy 301 CTCTTGTGCGCCCACTGTGTCTCATGCGGGCCGCTTGGCTTTTCCGGAAACCTTGGGGCG 360
Db 994 CTCTTGTGCGCCCACTGTGTCTCATGCGGGCCGCTTGGCTTTTCCGGAAACCTTGGGGCG 1053
Qy 361 CTGCTTTCCCGGCTGCACACAGTGTGTGCTGCGCATGCCCCGACCCCTGCGCCGCTCTT 420
Db 1054 CTTGCTTTCCCGGCTGCACACAGTGTGTGCTGCGCATGCCCCGACCCCTGCGCCGCTCTT 1113
Qy 421 CGTGGCTGAGCTGTGACGTGGATGGCACTCATGACCTTTCACGCTGTTTACACGGATT 480
Db 1114 CGTGGCTGAGCTGTGACGTGGATGGCACTCATGACCTTTCACGCTGTTTACACGGATT 1173
Qy 481 CGTGGCGAGGGGCTGTACAGAGGCGTGCACAGAGCTGAGCGGGCACCCAGGCCCCGAG 540
Db 1174 CGTGGCGAGGGGCTGTACAGAGGCGTGCACAGAGCTGAGCGGGCACCCAGGCCCCGAG 1233
Qy 541 AACTATGATGAAGGCGTTTCGGATGGGAGCGCTGGGGCTGTTCCTGAGTGGCGCATCTC 600
Db 1234 AACTATGATGAAGGCGTTTCGGATGGGAGCGCTGGGGCTGTTCCTGAGTGGCGCATCTC 1293
Qy 601 CTTGGTCTTCTCTGCTCATGGACCGGCTGGTGCAGCGGATTCGGCACTCAGCAGTCTA 660
Db 1294 CTTGGTCTTCTCTGCTCATGGACCGGCTGGTGCAGCGGATTCGGCACTCAGCAGTCTA 1353
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGCGGTGCCACATGCTCTGCCACAGTGT 720
Db 1354 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGCGGTGCCACATGCTCTGCCACAGTGT 1413
Qy 721 GGCGGTGGTGACAGCTTCAGCGCCCTCACCGGTTTCACTTCTCAGCCCTGCGAGATCCT 780
Db 1414 GGCGGTGGTGACAGCTTCAGCGCCCTCACCGGTTTCACTTCTCAGCCCTGCGAGATCCT 1473
Qy 781 GCCCTACACACTGGCCTCCCTCTACACCGGGAAGCAGGTGTTCTTCCGCCAAATACCG 840
Db 1474 GCCCTACACACTGGCCTCCCTCTACACCGGGAAGCAGGTGTTCTTCCGCCAAATACCG 1533
Qy 841 AGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTTGATGACCAAGCTTCTTCCAGGCCCC 900
Db 1534 AGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTTGATGACCAAGCTTCTTCCAGGCCCC 1593
Qy 901 TAAGCCTGGAGCTCCCTTCCCTTAATGAGACAGTGGGTGCTGGAGGAGTGGCTGCTCCC 960
Db 1594 TAAGCCTGGAGCTCCCTTCCCTTAATGAGACAGTGGGTGCTGGAGGAGTGGCTGCTCCC 1653
Qy 961 ACCTCCACCGCGCTCTGCGGGGCTCTGCTGCTGATGCTCTCCGTACGTGTGGTGGG 1020
Db 1654 ACCTCCACCGCGCTCTGCGGGGCTCTGCTGCTGATGCTCTCCGTACGTGTGGTGGG 1713
Qy 1021 TGAGCCCAACGAGGCCAGGGTGGTTCCGGGCGGGGCACTCTGCTTGAACCTTCGCCATCCT 1080
Db 1714 TGAGCCCAACGAGGCCAGGGTGGTTCCGGGCGGGGCACTCTGCTTGAACCTTCGCCATCCT 1773
Qy 1081 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1140
Db 1774 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1833
Qy 1141 GCTCAGCAGTCTGCTCACTATATGCTGTGCGCGCAGGCGCTGGGCTCTGGTGGCCAT 1200
Db 1834 GCTCAGCAGTCTGCTCACTATATGCTGTGCGCGCAGGCGCTGGGCTCTGGTGGCCAT 1893

Qy 1201 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1234
Db 1894 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1927

RESULT 7

US-10-938-061-21
; Sequence 21, Application US/10938061
; Publication No. US20050107595A1
; GENERAL INFORMATION:
; APPLICANT: Cairns, Belinda
; APPLICANT: Chen, Ruihuan
; APPLICANT: Frantz, Gretchen
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Koepfen, Hartmut
; APPLICANT: Phillips, Heidi S.
; APPLICANT: Polakis, Paul
; APPLICANT: Spencer, Susan D.
; APPLICANT: Smith, Victoria
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wu, Thomas D.
; APPLICANT: Zhang, Zemin
; APPLICANT: Sakanaka, Chie
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Reed Chae J.
; TITLE OF INVENTION: Compositions and Methods for the Diagnosis and
; TITLE OF INVENTION: Treatment of Tumor
; FILE REFERENCE: P5001RIPB
; CURRENT APPLICATION NUMBER: US/10/938,061
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 10/872,991
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/872,972
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 10/241,220
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 10/177,488
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 60/299,500
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: US 60/301,880
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/323,268
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 21
; LENGTH: 3332
; TYPE: DNA
; ORGANISM: Homo sapiens.
US-10-938-061-21

Query Match 100.0%; Score 1234; DB 21; Length 3332;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGCCAGGTGCTTCACTCCACTGGAGGCCCTCTCTGTGACCTCTTCCGGGACCCGGA 60
Db 694 TGCCAGGTGCTTCACTCCACTGGAGGCCCTCTCTGTGACCTCTTCCGGGACCCGGA 753
Qy 61 CCAGTGTGCGCAGGCTACTGTCTATGCTTCAATGATCATGCTTGGGGGCTGCTGGG 120
Db 754 CCAGTGTGCGCAGGCTACTGTCTATGCTTCAATGATCATGCTTGGGGGCTGCTGGG 813
Qy 121 CTACTCTGCTGCCATTGACTGGGACACAGTGCCTGSCCCCTACCTGGGACCCCA 180
Db 814 CTACTCTGCTGCCATTGACTGGGACACAGTGCCTGSCCCCTACCTGGGACCCCA 873
Qy 181 GGAGGAGTGCTCTTTGGCTGTCTCACCTCATCTTCTCACCTGCGTAGCGCACACT 240

Db 874 GGAGGAGTGCTCTTTGGCTGTCTCACCTCATCTTCTCACCTGCGTAGCGCACACT 933
Qy 241 GCTGGTGGCTGAGGAGCAGGGCTGGGCCCCCAGGAGCAGAGAGGGCTGTGGGCCCC 300
Db 934 GCTGGTGGCTGAGGAGCAGGGCTGGGCCCCCAGGAGCAGAGAGGGCTGTGGGCCCC 993
Qy 301 CTCCTTGTGCGCCCACTGTCTTCCATGCGCGGGCCGCTTGGCTTTCCGGAACTTGGGCGC 360
Db 994 CTCCTTGTGCGCCCACTGTCTTCCATGCGCGGGCCGCTTGGCTTTCCGGAACTTGGGCGC 1053
Qy 361 CTTGCTTCCCGGCTGCAACAGCTGTCTGCGCATGCCCCCGCACCTTGCAGCCCGGCTCTT 420
Db 1054 CTTGCTTCCCGGCTGCAACAGCTGTCTGCGCATGCCCCCGCACCTTGCAGCCCGGCTCTT 1113
Qy 421 CGTGGCTGAGCTGTGAGCTGGATGGACATCATGACCTTCAOGCTGTGTTTACAGGATTT 480
Db 1114 CGTGGCTGAGCTGTGAGCTGGATGGACATCATGACCTTCAOGCTGTGTTTACAGGATTT 1173
Qy 481 CGTGGGCGAGGGCTGTACACAGGCGGTGCCAGAGCTGAGCCGGGCACCCGAGGCCCGGAG 540
Db 1174 CGTGGGCGAGGGCTGTACACAGGCGGTGCCAGAGCTGAGCCGGGCACCCGAGGCCCGGAG 1233
Qy 541 AACTATGATGAAGGCTTCCGATGGGAGCGCTGGGCGCTGTCTTCTGAGTGCGCATCTC 600
Db 1234 AACTATGATGAAGGCTTCCGATGGGAGCGCTGGGCGCTGTCTTCTGAGTGCGCATCTC 1293
Qy 601 CTTGGTCTTCTCTCTGTGTCATGACCGGCTGGTGACAGGATTCGGCACTCGAGCAGTCTA 660
Db 1294 CTTGGTCTTCTCTCTGTGTCATGACCGGCTGGTGACAGGATTCGGCACTCGAGCAGTCTA 1353
Qy 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATGCTCTGCCACAGTGT 720
Db 1354 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATGCTCTGCCACAGTGT 1413
Qy 721 GGCGGTGTGACAGCTTTCAGCCGCCCTCACCGGTTTCACTTCTTACGCCCTTGCAGATCCT 780
Db 1414 GGCGGTGTGACAGCTTTCAGCCGCCCTCACCGGTTTCACTTCTTACGCCCTTGCAGATCCT 1473
Qy 781 GCCTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTGCCCCAATACCG 840
Db 1474 GCCTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGTTCTGCCCCAATACCG 1533
Qy 841 AGGGACACTGGAGGTGCTAGCAGTGAAGCAGCTGATGACACAGCTTCTTCCGAGGCC 900
Db 1534 AGGGACACTGGAGGTGCTAGCAGTGAAGCAGCTGATGACACAGCTTCTTCCGAGGCC 1593
Qy 901 TAAGCCTGGAGCTCCCTTCCCTTAATGACACAGTGGGTGCTGGAGGCAAGTGGCTGCTCCC 960
Db 1594 TAAGCCTGGAGCTCCCTTCCCTTAATGACACAGTGGGTGCTGGAGGCAAGTGGCTGCTCCC 1653
Qy 961 ACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCTCCGTAGCTGTGGTGGGG 1020
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Qy 1021 TGAGCCACCGAGGCCAGGGTGGTTCCGGGCGGGGATCTGCTGACCTTCCGCACTCT 1080
Db 1714 TGAGCCACCGAGGCCAGGGTGGTTCCGGGCGGGGATCTGCTGACCTTCCGCACTCT 1773
Qy 1081 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCCATCCCTGTTTATGCGCTCCATTTGCCA 1140
Db 1774 GGATAGTGCCTTCTGCTGCTCCAGGTGGCCCCCATCCCTGTTTATGCGCTCCATTTGCCA 1833
Qy 1141 GCTCAGCAGTCTGCTCACTGCTTATGTTGTTCTGCGGAGGCTGGGTCTGGTGGCCAT 1200
Db 1834 GCTCAGCAGTCTGCTCACTGCTTATGTTGTTCTGCGGAGGCTGGGTCTGGTGGCCAT 1893
Qy 1201 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1234
Db 1894 TTACTTTGCTACACAGGTAGTATTGACAAGAGC 1927

RESULT 8

Db 928 GCTGGTGGCTGAGGAGGAGCGCTGGGCCCAACCGAGCAGCAGAAAGGCTGTGCGGCCCC 987
Qy 301 CTCCTTGTGCGCCCACTGCTGTCATGCGGGCCGCTTGGCTTCCGGAACCTGGGGCGC 360
Db 988 CTCCTTGTGCGCCCACTGCTGTCATGCGGGCCGCTTGGCTTCCGGAACCTGGGGCGC 1047
Qy 361 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 420
Db 1048 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1107
Qy 421 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 480
Db 1108 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1167
Qy 481 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 540
Db 1168 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1227
Qy 541 ACATATGATGAAGGCGTTCCGATGGGCGCTTGGGGCTGTTCCTGCAAGTGGCCATCTC 600
Db 1228 ACATATGATGAAGGCGTTCCGATGGGCGCTTGGGGCTGTTCCTGCAAGTGGCCATCTC 1287
Qy 601 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 660
Db 1288 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1347
Qy 661 TTTGGCCAGTGTGGAGCTTTCCCTGTGGCTGCCGGTGCCACATGCTGTCACAGTGT 720
Db 1348 TTTGGCCAGTGTGGAGCTTTCCCTGTGGCTGCCGGTGCCACATGCTGTCACAGTGT 1407
Qy 721 GGCCTGTGTGACAGCTTACGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 780
Db 1408 GGCCTGTGTGACAGCTTACGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 1467
Qy 781 GGCCTGTGTGACAGCTTACGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 840
Db 1468 GGCCTGTGTGACAGCTTACGCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCT 1527
Qy 841 AGGGAGACCTGGAGGTGTAGCAGTGAGGACAGCTGTAGCAGCTTCTGCGCAGGCCC 900
Db 1528 AGGGAGACCTGGAGGTGTAGCAGTGAGGACAGCTGTAGCAGCTTCTGCGCAGGCCC 1587
Qy 901 TAAGCCTGGAGCTTCCCTTAATGACACGCTGGGTGCTGGAGCAGTGGCTGCTCCC 960
Db 1588 TAAGCCTGGAGCTTCCCTTAATGACACGCTGGGTGCTGGAGCAGTGGCTGCTCCC 1647
Qy 961 ACTCCACCGCGCTCTGCGGGCCCTTGCCTGTGATGTCTCCGTACGTTGGTGGTGGG 1020
Db 1648 ACTCCACCGCGCTCTGCGGGCCCTTGCCTGTGATGTCTCCGTACGTTGGTGGTGGG 1707
Qy 1021 TGAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGACATCTGCTGGACCTCGCCATCCT 1080
Db 1708 TGAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGACATCTGCTGGACCTCGCCATCCT 1767
Qy 1081 GGATAGTGCCTTCTGCTGTCACAGTGGCCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1140
Db 1768 GGATAGTGCCTTCTGCTGTCACAGTGGCCCCCATCCCTGTTTATGGGCTCCATTGTCCA 1827
Qy 1141 GCTCAGCAGTGTGTCACATGCTGCTATATGTTGTCGCGGAGGCGCTGGGTCTGGTGGCAT 1200
Db 1828 GCTCAGCAGTGTGTCACATGCTGCTATATGTTGTCGCGGAGGCGCTGGGTCTGGTGGCAT 1887
Qy 1201 TTTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1234
Db 1888 TTTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1921

RESULT 11

US-09-030-606-110
; Sequence 110, Application US/09030606
; Patent No. US20020081580A1
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS F
NUMBER OF SEQUENCES: 224
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/030,606
FILING DATE: 25-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.428C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 110:
SEQUENCE CHARACTERISTICS:
LENGTH: 3410 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-09-030-606-110

Query Match 100.0%; Score 1234; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGGCAGGTGTGCTTCACTCCACTGGAGGCGCTGCTCTCTGACCTCTTCCGGGACCCGGA 60
Db 688 TGGCAGGTGTGCTTCACTCCACTGGAGGCGCTGCTCTCTGACCTCTTCCGGGACCCGGA 747
Qy 61 CCATGTGCGCAGCGCTACTCTGTATGCTTCAATGATCAGTCTTGGGGGCTGCTGGG 120
Db 748 CCATGTGCGCAGCGCTACTCTGTATGCTTCAATGATCAGTCTTGGGGGCTGCTGGG 807
Qy 121 CTACCTCTGCTGCCATTTGACTGGGACACCAAGTGCCTGGCCCTTACCTGGGCACCCA 180
Db 808 CTACCTCTGCTGCCATTTGACTGGGACACCAAGTGCCTGGCCCTTACCTGGGCACCCA 867
Qy 181 GGAGAGTGCCTCTTTGGSCCTGCTCACCTCATCTTCTCCTACCTGCTAGCAGCCACT 240
Db 868 GGAGAGTGCCTCTTTGGSCCTGCTCACCTCATCTTCTCCTACCTGCTAGCAGCCACT 927
Qy 241 GCTGTGCTCAGGAGGAGCGCTGGGCCCCACCGAGCAGCAGAGGGCTGTGCGGCCCC 300
Db 928 GCTGTGCTCAGGAGGAGCGCTGGGCCCCACCGAGCAGCAGAGGGCTGTGCGGCCCC 987
Qy 301 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGGCGCTTGGCTTTCCGGAACCTGGGGCGC 360
Db 988 CTCCTTGTGCGCCCACTGCTGTCCATGCGGGGCGCTTGGCTTTCCGGAACCTGGGGCGC 1047
Qy 361 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 420
Db 1048 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1107
Qy 421 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 480
Db 1108 CTTGCTTCCC CGGCTGCACAGCTGTGTCGCGCATGCCCCGACACCTTGC GCGCTCTT 1167

QY 481 CGTGGCGAGGGGCTGTACACAGGGCGTGCCAGAGCTGAGCGGCGACCCGAGGCCCGGAG 540
Db 1168 CGTGGCGAGGGGCTGTACACAGGGCGTGCCAGAGCTGAGCGGCGACCCGAGGCCCGGAG 1227
QY 541 ACATATGATGAAGCGCTTCGGATGGGAGCGCTGGGGCTGTTCCTGCAAGTGGCCATCTC 600
Db 1228 ACATATGATGAAGCGCTTCGGATGGGAGCGCTGGGGCTGTTCCTGCAAGTGGCCATCTC 1287
QY 601 CCTGGTCTTCTCTGTGTCATGGACCGGCTGGTGGTGGGAGGATTCGGCACTCGAGCAGTCTA 660
Db 1288 CCTGGTCTTCTCTGTGTCATGGACCGGCTGGTGGTGGGAGGATTCGGCACTCGAGCAGTCTA 1347
QY 661 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCAGTGCCTGTGCCACAGTGT 720
Db 1348 TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCAGTGCCTGTGCCACAGTGT 1407
QY 721 GGCGTGGTGAAGCTTCAGCGCCCTTACCGGGTTCACCTTTCAGCGCTTCGAGATCCT 780
Db 1408 GGCGTGGTGAAGCTTCAGCGCCCTTACCGGGTTCACCTTTCAGCGCTTCGAGATCCT 1467
QY 781 GCCCTACACATGGGCTCCCTTACCACCGGGAGAGCAGGTGTTCCTGCCCAATACCG 840
Db 1468 GCCCTACACATGGGCTCCCTTACCACCGGGAGAGCAGGTGTTCCTGCCCAATACCG 1527
QY 841 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCGCTGATGACAGCTTTCCTGCCAGGCC 900
Db 1528 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCGCTGATGACAGCTTTCCTGCCAGGCC 1587
QY 901 TAAGCCTGGAGCTCCCTTCCCTTAATGGAACAGTGGGTGCTGGAGGAGTGGCTTCTGCC 960
Db 1588 TAAGCCTGGAGCTCCCTTCCCTTAATGGAACAGTGGGTGCTGGAGGAGTGGCTTCTGCC 1647
QY 961 ACCTCCACCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTGATGTCTCCGTGATGTGGTGGG 1020
Db 1648 ACCTCCACCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTGATGTCTCCGTGATGTGGTGGG 1707
QY 1021 TGAGCCACACGAGGCGCAGGGTGGTTCGGGGCGGGGCGATCTGCTGGACCTTCGCCATCCT 1080
Db 1708 TGAGCCACACGAGGCGCAGGGTGGTTCGGGGCGGGGCGATCTGCTGGACCTTCGCCATCCT 1767
QY 1081 GGATAGTGCCCTTCTGCTGTCCAGGTGGCCCAATCCCTGTTATGGGCTCCATTTGCCA 1140
Db 1768 GGATAGTGCCCTTCTGCTGTCCAGGTGGCCCAATCCCTGTTATGGGCTCCATTTGCCA 1827
QY 1141 GCTCAGCAGTCTGTACTGCTATATGTTGTCTGCGCAGGCGCTGGGTCTGGTGGCAT 1200
Db 1828 GCTCAGCAGTCTGTACTGCTATATGTTGTCTGCGCAGGCGCTGGGTCTGGTGGCAT 1887
QY 1201 TTACTTTGCTACAGGTAGTATTGACAAGGC 1234
Db 1888 TTACTTTGCTACAGGTAGTATTGACAAGGC 1921

RESULT 12

US-09-822-827-110
; Sequence 110, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-110

Query Match 100.0%; Score 1234; DB 9; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCGCAGGTGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCGGGAGCCCGGA 60
Db 688 TGCGCAGGTGTGCTTCACTCCACTGGAGGCCCTGCTCTCTGACCTCTTCGGGAGCCCGGA 747
QY 61 CCACTGTGCGCAGCGCTTACTCTGTATATGCTTTCATGATCAGTCTTCGGGGGCTCCCTGGG 120
Db 748 CCACTGTGCGCAGCGCTTACTCTGTATATGCTTTCATGATCAGTCTTCGGGGGCTCCCTGGG 807
QY 121 CTACCTCTCCCTGCCATTGACTGGGACACAGTGCCTTGGCCCCCTTACTCTGGGACACCCA 180
Db 808 CTACCTCTCCCTGCCATTGACTGGGACACAGTGCCTTGGCCCCCTTACTCTGGGACACCCA 867
QY 181 G3AGGAGTGTCTTTTGGCCTGTCACTTCTCCTCATCTTCTCATCTGTAGAGGCACT 240
Db 868 G3AGGAGTGTCTTTTGGCCTGTCACTTCTCCTCATCTTCTCATCTGTAGAGGCACT 927
QY 241 GCTGGTGGCTGAGGAGCGCGCTGGGCCCCACCGAGCCAGAGAGGGCTGTGGGGCCC 300
Db 928 GCTGGTGGCTGAGGAGCGCGCTGGGCCCCACCGAGCCAGAGAGGGCTGTGGGGCCC 987
QY 301 CTCTTTGTCGCCCACTGTCTGTCCATGCGCGGGCGCTTGGCTTTTCGGAACTTGGGCGC 360
Db 988 CTCTTTGTCGCCCACTGTCTGTCCATGCGCGGGCGCTTGGCTTTTCGGAACTTGGGCGC 1047
QY 361 CTCTTTTCCCGGCTGCAACAGCTGTCTGCGGATGCCCCGACACCTTGGCCCGGCTCTT 420
Db 1048 CTCTTTTCCCGGCTGCAACAGCTGTCTGCGGATGCCCCGACACCTTGGCCCGGCTCTT 1107
QY 421 CGTGGCTGAGCTGTGACGTGGATGGCACTCATGACCTTCACGCTGTTTACACGAGTTT 480
Db 1108 CGTGGCTGAGCTGTGACGTGGATGGCACTCATGACCTTCACGCTGTTTACACGAGTTT 1167
QY 481 CGTGGGCGAGGGCTGTACACAGGCGCTGCCAGAGCTGAGCGGCGACCCGAGGCCCGGAG 540
Db 1168 CGTGGGCGAGGGCTGTACACAGGCGCTGCCAGAGCTGAGCGGCGACCCGAGGCCCGGAG 1227
QY 541 ACATATGATGAAGGGCTTCGATGGGAGCGCTGGGGCTGTTCCTGCAAGTGGCCATCTC 600
Db 1228 ACATATGATGAAGGGCTTCGATGGGAGCGCTGGGGCTGTTCCTGCAAGTGGCCATCTC 1287
QY 601 CTTGGTCTTCTCTCTGTCATGACCGGCTGGTGCAGGATTCGGCACTCGAGCAGTCTA 660
Db 1288 CTTGGTCTTCTCTCTGTCATGACCGGCTGGTGCAGGATTCGGCACTCGAGCAGTCTA 1347
QY 661 TTTGGGCGAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCACATGCCCTGTCCACAGTGT 720
Db 1348 TTTGGGCGAGTGTGGCAGCTTTCCCTGTGGCTGCGGCTGCCACATGCCCTGTCCACAGTGT 1407
QY 721 GGCGTGGTGAAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTCAGCGCTTCGAGATCCT 780
Db 1408 GGCGTGGTGAAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTCAGCGCTTCGAGATCCT 1467
QY 781 GCCTTACACATGGGCTCCCTTACACCGGGAGAGCAGGTGTTCCTGCCCAATACCG 840
Db 1468 GCCTTACACATGGGCTCCCTTACACCGGGAGAGCAGGTGTTCCTGCCCAATACCG 1527
QY 841 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCGCTGATGACACAGCTTTCCTGCCAGGCC 900
Db 1528 AGGGGACACTGGAGGTGTAGCAGTGAAGCAGCGCTGATGACACAGCTTTCCTGCCAGGCC 1587
QY 901 TAAGCCTGGAGCTCCCTTCCCTTAATGGAACAGTGGGTGCTGGAGGAGTGGCTTCTGCC 960
Db 1588 TAAGCCTGGAGCTCCCTTCCCTTAATGGAACAGTGGGTGCTGGAGGAGTGGCTTCTGCC 1647
QY 961 ACCTCCACCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTGATGTCTCCGTGATGTGGTGGG 1020
Db 1648 ACCTCCACCGCGCTCTGCGGGGCTCTGCGTGTGATGTCTCCGTGATGTCTCCGTGATGTGGTGGG 1707
QY 1021 TGAGCCACACGAGGCGCAGGGTGGTTCGGGGCGGGGCGATCTGCTGGACCTTCGCCATCCT 1080

Query Match		100.0%;	Score 1234;	DB 9;	Length 3410;	
Best Local Similarity		100.0%;	Pred. No. 0;			
Matches 1234;		Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;
Qy	1	TGGCCAGGTGTGCTTCACTCCACTGGAGGCCCTCTCTCTGACCTCTTCCGGGACCCGGA	60			
Db	688	TGGCCAGGTGTGCTTCACTCCACTGGAGGCCCTCTCTCTGACCTCTTCCGGGACCCGGA	747			
Qy	61	CCACTGTGCGCAGGCCCTACTCTGTCTATGCTTATGATCATGTCCTTGGGGGCTCCCTGGG	120			
Db	748	CCACTGTGCGCAGGCCCTACTCTGTCTATGCTTATGATCATGTCCTTGGGGGCTCCCTGGG	807			
Qy	121	CTACTCTGCTGCTGCCATTTGACTGGGACACAGTGCCTTGGCCCCCTTACCTGGGCACCCA	180			
Db	808	CTACTCTGCTGCTGCCATTTGACTGGGACACAGTGCCTTGGCCCCCTTACCTGGGCACCCA	867			
Qy	181	GGAGGAGTGCTCTTTGGCCTGCTCACCTCATCTTCTCATCTGCTAGCAGCCACT	240			
Db	868	GGAGGAGTGCTCTTTGGCCTGCTCACCTCATCTTCTCATCTGCTAGCAGCCACT	927			
Qy	241	GCTGGTGGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGCAGAAGGCTGTGGGCC	300			
Db	928	GCTGGTGGCTGAGGAGGAGCGCTGGGCCCCACCGAGCCAGCAGAAGGCTGTGGGCC	987			
Qy	301	CTCCTTGTGCGCCCACTGCTGTCCATGCGGGCCCGCTTGGCTTTCCGGAACTTGGGCGC	360			
Db	988	CTCCTTGTGCGCCCACTGCTGTCCATGCGGGCCCGCTTGGCTTTCCGGAACTTGGGCGC	1047			
Qy	361	CTGCTTCCCGGCTGACAGCTGTGCTGCGCATGCGCCGACCTTGGCGCGCTCTT	420			
Db	1048	CTGCTTCCCGGCTGACAGCTGTGCTGCGCATGCGCCGACCTTGGCGCGCTCTT	1107			
Qy	421	CGTGGCTGAGCTGTGAGCTGGATGGCACTCATCACTTCACTGCTGTTTACACGGATT	480			
Db	1108	CGTGGCTGAGCTGTGAGCTGGATGGCACTCATCACTTCACTGCTGTTTACACGGATT	1167			
Qy	481	CGTGGGCGAGGGCTGTACAGGGCGTGCCAGAGCTGAGCGGGCACCGAGGCCCGGAG	540			
Db	1168	CGTGGGCGAGGGCTGTACAGGGCGTGCCAGAGCTGAGCGGGCACCGAGGCCCGGAG	1227			
Qy	541	ACACTATGATGAAGCGTTGGATGGGAGCGCTGGGGCTGTCTCGAGTGGCCATCTC	600			
Db	1228	ACACTATGATGAAGCGTTGGATGGGAGCGCTGGGGCTGTCTCGAGTGGCCATCTC	1287			
Qy	601	CTGCTCTTCTCTCTGTGTATGAGCCGCTGTGTCAGCGATTTCGSCACTCGAGCAGCTA	660			
Db	1288	CTGCTCTTCTCTCTGTGTATGAGCCGCTGTGTCAGCGATTTCGSCACTCGAGCAGCTA	1347			
Qy	661	TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCTGTCACAGTGT	720			
Db	1348	TTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCTGCCACATGCTGTCACAGTGT	1407			
Qy	721	GGCGGTGGTACAGCTTTCAGCGCCCTTACCGGGTTTCACTTCTCAGCCCTGACAGTCT	780			
Db	1408	GGCGGTGGTACAGCTTTCAGCGCCCTTACCGGGTTTCACTTCTCAGCCCTGACAGTCT	1467			
Qy	781	GCCCTACACATGCGCTCCCTCTACACCGGAGAGCGGTGTCTGCGCCCAATACCG	840			
Db	1468	GCCCTACACATGCGCTCCCTCTACACCGGAGAGCGGTGTCTGCGCCCAATACCG	1527			
Qy	841	AGGGACACTGGAGTGTAGCAGTGGAGCAGCGCTGATGACCACTTCTTCCGAGGCC	900			
Db	1528	AGGGACACTGGAGTGTAGCAGTGGAGCAGCGCTGATGACCACTTCTTCCGAGGCC	1587			
Qy	901	TAAGCCTGGAGCTCCCTTCCCTAATGAGACAGTGGGTGCTGGAGGACGTGCTGCTCC	960			
Db	1588	TAAGCCTGGAGCTCCCTTCCCTAATGAGACAGTGGGTGCTGGAGGACGTGCTGCTCC	1647			
Qy	961	ACCTTCCACCCGCTCTGCGGGGCTTCTGCTGTGTATGCTCTCCCTAGCTGTGTGTGG	1020			
Db	1648	ACCTTCCACCCGCTCTGCGGGGCTTCTGCTGTGTATGCTCTCCCTAGCTGTGTGTGG	1707			
Qy	1021	TGAGCCCAACGAGGCCAGGGTGGTTCCGGGGCCGGGGCATCTGCTCGACCTCGCCACT	1080			

Db	1708	TGAGCCCAACGAGGCCAGGGTGGTTCCGGGGCCGGGGCATCTGCTGGACCTCGCCATCCT	1767			
Qy	1081	GGATAGTGCTTCTCTGCTGCCAGGTGCCAGTCCCATCTCTTTATGGGCTCCATTTGTCCA	1140			
Db	1768	GGATAGTGCTTCTCTGCTGCCAGGTGCCAGTCCCATCTCTTTATGGGCTCCATTTGTCCA	1827			
Qy	1141	GCTCAGCAGCTCTGTCTCACTGCCTATATGTTGTCTGCCGACAGGCTTGGGTCTGGT	1200			
Db	1828	GCTCAGCAGCTCTGTCTCACTGCCTATATGTTGTCTGCCGACAGGCTTGGGTCTGGT	1887			
Qy	1201	TTACTTTGCTACAGGTAGTATTTTGACAAGAGC	1234			
Db	1888	TTACTTTGCTACAGGTAGTATTTTGACAAGAGC	1921			
RESULT 15						
US-09-895-793-110						
; Sequence 110, Application US/09895793						
; Publication No. US20020192763A1						
; GENERAL INFORMATION:						
; APPLICANT: Xu, Jiangchun						
; APPLICANT: Dillon, Davin C.						
; APPLICANT: Mitcham, Jennifer L.						
; APPLICANT: Harlocker, Susan L.						
; APPLICANT: Jiang, Yuqiu						
; APPLICANT: Kalos, Michael D.						
; APPLICANT: Retter, Marc W.						
; APPLICANT: Stolk, John A.						
; APPLICANT: Day, Craig H.						
; APPLICANT: Vedvick, Thomas S.						
; APPLICANT: Carter, Darrick						
; APPLICANT: Li, Samuel X.						
; APPLICANT: Wang, Aijun						
; APPLICANT: Skeiky, Yasir A.W.						
; APPLICANT: Hepler, William T.						
; APPLICANT: Henderson, Robert A.						
; APPLICANT: Hural, John						
; APPLICANT: McNeill, Patricia D.						
; APPLICANT: Houghton, Raymond L.						
; APPLICANT: Vinals de Bassols, Carlota						
; APPLICANT: Foy, Teresa						
; APPLICANT: Fanger, Gary R.						
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND						
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER						
; FILE REFERENCE: 210121.534C2						
; CURRENT APPLICATION NUMBER: US/09/895,793						
; NUMBER OF SEQ ID NOS: 982						
; SOFTWARE: Fast-Seq for Windows Version 3.0						
; SEQ ID NO 110						
; LENGTH: 3410						
; TYPE: DNA						
; ORGANISM: Homo sapien						
US-09-895-793-110						
Query Match						
Best Local Similarity						
Matches 1234;						
Conservative						
0; Mismatches						
0; Indels						
0; Gaps						
Qy	1	TGGCCAGGTGTGCTTCACTCCACTGGAGGCCCTCTCTCTGACCTCTTCCGGGACCCGGA	60			
Db	688	TGGCCAGGTGTGCTTCACTCCACTGGAGGCCCTCTCTCTGACCTCTTCCGGGACCCGGA	747			
Qy	61	CCACTGTGCGCAGGCCCTACTCTGTCTATGCTTATGATCATGTCCTTGGGGGCTCCCTGGG	120			
Db	748	CCACTGTGCGCAGGCCCTACTCTGTCTATGCTTATGATCATGTCCTTGGGGGCTCCCTGGG	807			
Qy	121	CTACTCTGCTGCTGCCATTTGACTGGGACACAGTGCCTTGGCCCCCTTACCTGGGCACCCA	180			
Db	808	CTACTCTGCTGCTGCCATTTGACTGGGACACAGTGCCTTGGCCCCCTTACCTGGGCACCCA	867			
Qy	181	GGAGGAGTGCTCTTTGGCCTGCTCACCTCATCTTCTCATCTGCTAGCAGCCACT	240			

Job time : 896.816 secs

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Db      |||||GGAGAGTGCCTCTTTGGCTGCTCACCTCATCTTCCTTCACCTGCTAGCAGCCACACT 927
Qy      |||||GCTGCTGCTGAGGAGGAGCGCTGGGCCCCACACCGAGCCAGCAGAGGCTGTGGGCCCC 300
Db      |||||GCTGCTGCTGAGGAGGAGCGCTGGGCCCCACACCGAGCCAGCAGAGGCTGTGGGCCCC 987
Qy      |||||CTCTTGTGCCCCCACTGTCTTCCATGCGGGCCCGCTTGGCTTTCCGGAACCTGGGGCC 360
Db      |||||CTCTTGTGCCCCCACTGTCTTCCATGCGGGCCCGCTTGGCTTTCCGGAACCTGGGGCC 1047
Qy      |||||CTGCTTCCCGGCTGACACAGCTGTGCTGCGGCATGCCCCGCAACCTGCGCCGCTCTT 420
Db      |||||CTGCTTCCCGGCTGACACAGCTGTGCTGCGGCATGCCCCGCAACCTGCGCCGCTCTT 1107
Qy      |||||CGTGGCTGAGCTGTGAGTGGACCTCATGACCTTCACGCTGTTTACCGGATTT 480
Db      |||||CGTGGCTGAGCTGTGAGTGGACCTCATGACCTTCACGCTGTTTACCGGATTT 1167
Qy      |||||CGTGGGCGAGGGGCTGTACAGGGGCTGCCAGAGCTGAGCCGGGCACCGAGGCCCGGAG 540
Db      |||||CGTGGGCGAGGGGCTGTACAGGGGCTGCCAGAGCTGAGCCGGGCACCGAGGCCCGGAG 1227
Qy      |||||ACACTATGATGAAGCGTTGCGATGGGAGCGCTGGGGCTGTTCTGCAAGTGGCCATCTC 600
Db      |||||ACACTATGATGAAGCGTTGCGATGGGAGCGCTGGGGCTGTTCTGCAAGTGGCCATCTC 1287
Qy      |||||CCTGCTCTTCTCTCTGCTCATGGACCGGCTGGTGAGCGATTCGGCACTCGAGCAGTCTA 660
Db      |||||CCTGCTCTTCTCTCTGCTCATGGACCGGCTGGTGAGCGATTCGGCACTCGAGCAGTCTA 1347
Qy      |||||TTTGGCCAGTGTGGCAGCTTTCCTCTGCTGCTGCCGCTGCCACATGCCCTGTCCACAGTGT 720
Db      |||||TTTGGCCAGTGTGGCAGCTTTCCTCTGCTGCTGCCGCTGCCACATGCCCTGTCCACAGTGT 1407
Qy      |||||GGCCTGTGTGACAGCTTCAGCGCCCTCAACCGGGTTCACTTCTCAGCCCTGCAAGATCCT 780
Db      |||||GGCCTGTGTGACAGCTTCAGCGCCCTCAACCGGGTTCACTTCTCAGCCCTGCAAGATCCT 1467
Qy      |||||GCCCTACACACTGGGCTCCCTCTACACCGGGAGAGAGGTGTTCTGCCCAATACCG 840
Db      |||||GCCCTACACACTGGGCTCCCTCTACACCGGGAGAGAGGTGTTCTGCCCAATACCG 1527
Qy      |||||AGGGACACTGGAGTGTCTAGCAGTGAGGACAGCCTGATGACCACTTCTGCCAGGCC 900
Db      |||||AGGGACACTGGAGTGTCTAGCAGTGAGGACAGCCTGATGACCACTTCTGCCAGGCC 1587
Qy      |||||TAAGCTGGAGTCTCCCTTCCCTAATGGACAAGTGGGTGCTGGAGGAGTGGCTGCTCCC 960
Db      |||||TAAGCTGGAGTCTCCCTTCCCTAATGGACAAGTGGGTGCTGGAGGAGTGGCTGCTCCC 1647
Qy      |||||ACCTCCACCGGCTCTCGGGGCTCTGCGGCTCTGCTGATGCTCCGTCACGTGTGGTGG 1020
Db      |||||ACCTCCACCGGCTCTCGGGGCTCTGCGGCTCTGCTGATGCTCCGTCACGTGTGGTGG 1707
Qy      |||||TGAGCCCAACCGAGGCTGGTTCGCGGCGGGGCTCTGCTGAGCCTGCGCATCCT 1080
Db      |||||TGAGCCCAACCGAGGCTGGTTCGCGGCGGGGCTCTGCTGAGCCTGCGCATCCT 1767
Qy      |||||GGATAGTGGCTTCTGCTGCTGCCAGTGGGCCCATCCCTGTTTATGGGCTCCATTTGTCCA 1140
Db      |||||GGATAGTGGCTTCTGCTGCTGCCAGTGGGCCCATCCCTGTTTATGGGCTCCATTTGTCCA 1827
Qy      |||||GCTACAGCAGTCTGCTACCTGCTATATGCTGTCTGCCGAGGCTGGGCTCTGGTGGCCAT 1200
Db      |||||GCTACAGCAGTCTGCTACCTGCTATATGCTGTCTGCCGAGGCTGGGCTCTGGTGGCCAT 1887
Qy      |||||TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1234
Db      |||||TTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1921
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-15

Query Match      100.0%; Score 589; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 9.8e-146;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGACAGCTATTGGCCAGGTGGCAGCTTCCCTGTGGCTGCGGTGCCACATG 60
DB 149 CACTCGACAGCTATTGGCCAGGTGGCAGCTTCCCTGTGGCTGCGGTGCCACATG 208

QY 61 CTTGTCCCAACAGTGTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCGGTGCCACATG 120
DB 209 CTTGTCCCAACAGTGTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCGGTGCCACATG 268

QY 121 AGCCCTGCAGATCCTGCCCTACACACTGGCTTCCCTGTGGCTGCGGTGCCACATG 180
DB 269 AGCCCTGCAGATCCTGCCCTACACACTGGCTTCCCTGTGGCTGCGGTGCCACATG 328

QY 181 CTTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATG 240
DB 329 CTTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATG 388

QY 241 CTTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATG 300
DB 389 CTTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATG 448

QY 301 CAGTGGCTGTCTCCCACTCCACCCCGCTCTGGGGGGCTCTGCTGTGATGTCCTG 360
DB 449 CAGTGGCTGTCTCCCACTCCACCCCGCTCTGGGGGGCTCTGCTGTGATGTCCTG 508

QY 361 ACCTGTGGTGGGTGAGCCCAACGAGGGCAGGGTGGTCCGGGCGGGGCACTGCT 420
DB 509 ACCTGTGGTGGGTGAGCCCAACGAGGGCAGGGTGGTCCGGGCGGGGCACTGCT 568

QY 421 GGACCTCGCCATCCTGGATAGTGCCTTCCCTGCTGCTCCAGTGGCCCATCCCTGTTAT 480
DB 569 GGACCTCGCCATCCTGGATAGTGCCTTCCCTGCTGCTCCAGTGGCCCATCCCTGTTAT 628

QY 481 GGGCTCCATTTGCCAGTCTGACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
DB 629 GGGCTCCATTTGCCAGTCTGACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 688

QY 541 GGGTCTGGTGGCCATTTACTTTTGTACACAGTGTATTTGACAGAGC 589
DB 689 GGGTCTGGTGGCCATTTACTTTTGTACACAGTGTATTTGACAGAGC 737

RESULT 2
US-09-525-397-15
; Sequence 15, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
```

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Db 689 GGGTCTGGTCCCACTTACTTTGCTACACAGTAGTATTTGACAAGAGC 737
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RESULT 3
US-09-071-710-16
; Sequence 16, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2152 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-16
Query Match 100.0%; Score 589; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 9.8e-146;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGACGAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGTGGCGGTGCCACATG 60
Db 157 CACTCGACGAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGTGGCGGTGCCACATG 216
Qy 61 CCTGTCCACAGTGTGGCCGTTGACAGCTTTCAGCGCCCTCACCGGTTTCACTTCTC 120
Db 217 CCTGTCCACAGTGTGGCCGTTGACAGCTTTCAGCGCCCTCACCGGTTTCACTTCTC 276
Qy 121 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCCTACACCGGGAGAGCAGGTGTT 180
|||||
Db 277 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCCTACACCGGGAGAGCAGGTGTT 336
Qy 181 CCTGCCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGACAGCCTGATGACCGAG 240
Db 337 CCTGCCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGACAGCCTGATGACCGAG 396
Qy 241 CTTCTCTGCCAGGGCCCTAAGGCTCGAGCTCCCTTCCCTTAATGGACACGCTGGGTGCTGGAGG 300
Db 397 CTTCTCTGCCAGGGCCCTAAGGCTCGAGCTCCCTTCCCTTAATGGACACGCTGGGTGCTGGAGG 456
Qy 301 CAGTGGCTGCTGCCACCTCCACCCCGGCTCTGGGGGGCCCTCTGCTGTGTATGTCTCGCT 360
Db 457 CAGTGGCTGCTGCCACCTCCACCCCGGCTCTGGGGGGCCCTCTGCTGTGTATGTCTCGCT 516
Qy 361 ACGTGTGGTGGTGGTGAGCCACCGAGGGCAGGGTGTCTCCGGGCCGGGGCATCTGCT 420
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Qy 421 GGACCTCGCCATCCTGGATAGTGCCTTCTCTGCTGTCTCCAGGTGGCCCCCATCCCTGTTTAT 480
Db 577 GGACCTCGCCATCCTGGATAGTGCCTTCTCTGCTGTCTCCAGGTGGCCCCCATCCCTGTTTAT 636
Qy 481 GGGCTCAATTGTCCAGCTCAGCCAGTGTGTCACTGCTATATGTGTCTGCGCAGGCT 540
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Db 697 GGGTCTGGTGGCCATTTACTTTGCTACACAGGTAGTATTTGACAAGAGC 745
RESULT 4
US-09-525-397-16
; Sequence 16, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
```

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; REFERENCE/DOCKET NUMBER: 6083.US.P1
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: 847/935-1729
;
; TELEFAX: 847/938-2623
;
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 16:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 2152 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: single
;
; TOPOLOGY: linear
;
US-09-525-397-16

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; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-636-215-703

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RESULT 6
US-09-685-166A-703
; Sequence 703, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685.166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 703
LENGTH: 2904
TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-703

Query Match 100.0%; Score 589; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGTGCCACATG 60
Db 905 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGTGCCACATG 964
Qy 61 CTTGTCCACAGTGTGGCGTGGTGACAGCTTACGCGCCCTCACCGGGTTTCACTTCTC 120
Db 965 CTTGTCCACAGTGTGGCGTGGTGACAGCTTACGCGCCCTCACCGGGTTTCACTTCTC 1024
Qy 121 AGCCTCGAGATCTCGCCCTACACACTGGGCTCCCTCTACACCGGGAGAGCAGGTGT 180
Db 1025 AGCCTCGAGATCTCGCCCTACACACTGGGCTCCCTCTACACCGGGAGAGCAGGTGT 1084
Qy 181 CCTGCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGCAGGACAGCCTGATGACCG 240
Db 1085 CCTGCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGCAGGACAGCCTGATGACCG 1144
Qy 241 CTTCTGCGAGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTTGGGTGCTGGAGG 300
Db 1145 CTTCTGCGAGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCCACCTCACCGCGCTCTCGGGGCTCTGCGGGCTCTGCTGTGATCTCGGT 360
Db 1205 CAGTGGCTGTCCACCTCACCGCGCTCTCGGGGCTCTGCGGGCTCTGCTGTGATCTCGGT 1264
Qy 361 ACGTGTGGTGTGGGTAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGGCATCTGCCT 420
Db 1265 ACGTGTGGTGTGGGTAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGGCATCTGCCT 1324
Qy 421 GGACCTCGCCATCTGGATAGTGCCTTCTGCTGTCCAGTGGCCCCCATCCCTGTTTAT 480
Db 1325 GGACCTCGCCATCTGGATAGTGCCTTCTGCTGTCCAGTGGCCCCCATCCCTGTTTAT 1384
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 540
Db 1385 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 1444
Qy 541 GGGCTGTGTCGCCATTACTTTGTGTACACAGGTAGTATTGACAGAGC 589
Db 1445 GGGCTGTGTCGCCATTACTTTGTGTACACAGGTAGTATTGACAGAGC 1493

RESULT 7

US-09-679-426-703
Sequence 703, Application US/09679426
Patent No. 6759515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679.426
CURRENT FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 703
LENGTH: 2904
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-426-703

Query Match 100.0%; Score 589; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGTGCCACATG 60
Db 905 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGTGCCACATG 964
Qy 61 CTTGTCCACAGTGTGGCGTGGTGACAGCTTACGCGCCCTCACCGGGTTTCACTTCTC 120
Db 965 CTTGTCCACAGTGTGGCGTGGTGACAGCTTACGCGCCCTCACCGGGTTTCACTTCTC 1024
Qy 121 AGCCTCGAGATCTCGCCCTACACACTGGGCTCCCTCTACACCGGGAGAGCAGGTGT 180
Db 1025 AGCCTCGAGATCTCGCCCTACACACTGGGCTCCCTCTACACCGGGAGAGCAGGTGT 1084
Qy 181 CCTGCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGCAGGACAGCCTGATGACCG 240
Db 1085 CCTGCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGCAGGACAGCCTGATGACCG 1144
Qy 241 CTTCTGCGAGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTTGGGTGCTGGAGG 300
Db 1145 CTTCTGCGAGCCCTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCCACCTCACCGCGCTCTCGGGGCTCTGCGGGCTCTGCTGTGATCTCGGT 360
Db 1205 CAGTGGCTGTCCACCTCACCGCGCTCTCGGGGCTCTGCGGGCTCTGCTGTGATCTCGGT 1264
Qy 361 ACGTGTGGTGTGGGTAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGGCATCTGCCT 420
Db 1265 ACGTGTGGTGTGGGTAGCCACCGAGGCGAGGCTGGTTCGGGGCCGGGGCATCTGCCT 1324
Qy 421 GGACCTCGCCATCTGGATAGTGCCTTCTGCTGTCCAGTGGCCCCCATCCCTGTTTAT 480
Db 1325 GGACCTCGCCATCTGGATAGTGCCTTCTGCTGTCCAGTGGCCCCCATCCCTGTTTAT 1384
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 540
Db 1385 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 1444

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QY 541 GGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTTGACAAGAGC 589
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Db 1445 GGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1493

RESULT 8
US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match 100.0%; Score 589; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGACAGCTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGGCGGTGCCACATG 60
|||||
Db 905 CACTCGACAGCTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGGCGGTGCCACATG 964

QY 61 CCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCCACCGGGTTTCACTTCTC 120
|||||
Db 965 CCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCCACCGGGTTTCACTTCTC 1024

QY 121 AGCCCTGCAGATCTGCTCCCTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 180
|||||
Db 1025 AGCCCTGCAGATCTGCTCCCTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 1084

QY 181 CCTGCCCAATACCGAGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATCCAG 240
|||||
Db 1085 CCTGCCCAATACCGAGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATCCAG 1144

QY 241 CTTCTGCGAGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACAGCTGGGTGCTGGAGG 300
|||||
Db 1145 CTTCTGCGAGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACAGCTGGGTGCTGGAGG 1204

QY 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCCGT 360
|||||
Db 1205 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCCGT 1264

QY 361 ACCTGTGCTGGTGGTGAGCCACCGAGGCGAGGGTGGTTCCGGGCGGGGCATCTGCCT 420
|||||
Db 1265 ACCTGTGCTGGTGGTGAGCCACCGAGGCGAGGGTGGTTCCGGGCGGGGCATCTGCCT 1324

QY 421 GGACCTCGCCATCTCGATAGTGCCTTCTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 480
|||||
Db 1325 GGACCTCGCCATCTCGATAGTGCCTTCTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 1384

QY 481 GGGTCTCCATTGTCCAGCTCAGCAGTCTGTGTCACATGCTATATGTTGTCGCGCAGGCT 540
|||||
Db 1385 GGGTCTCCATTGTCCAGCTCAGCAGTCTGTGTCACATGCTATATGTTGTCGCGCAGGCT 1444

QY 541 GGGTCTGCTGGCCATTACTTTGCTACACAGGTAGTATTTGACAAGAGC 589
|||||
Db 1445 GGGTCTGCTGGCCATTACTTTGCTACACAGGTAGTATTTGACAAGAGC 1493

RESULT 9
US-09-651-236-703
; Sequence 703, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-703

Query Match 100.0%; Score 589; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGACAGCTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGGCGGTGCCACATG 60
|||||
Db 905 CACTCGACAGCTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGGCGGTGCCACATG 964

QY 61 CCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCCACCGGGTTTCACTTCTC 120
|||||
Db 965 CCTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCCACCGGGTTTCACTTCTC 1024

QY 121 AGCCCTGCAGATCTGCTCCCTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 180
|||||
Db 1025 AGCCCTGCAGATCTGCTCCCTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 1084

QY 181 CCTGCCCAATACCGAGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATCCAG 240
|||||
Db 1085 CCTGCCCAATACCGAGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTGTATCCAG 1144

QY 241 CTTCTGCGAGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACAGCTGGGTGCTGGAGG 300
|||||
Db 1145 CTTCTGCGAGCCCTTAAGCCTGGAGCTCCCTTCCCTAATGACACAGCTGGGTGCTGGAGG 1204

QY 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCCGT 360
|||||
Db 1205 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCCGT 1264

QY 361 ACCTGTGCTGGTGGTGAGCCACCGAGGCGAGGGTGGTTCCGGGCGGGGCATCTGCCT 420
|||||
Db 1265 ACCTGTGCTGGTGGTGAGCCACCGAGGCGAGGGTGGTTCCGGGCGGGGCATCTGCCT 1324

QY 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGCTCCGT 360
|||||
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Db 1205 CAGTGGCTGTCTCCACCTCCACCGCGCTCTCGGGGCTCTGCTGTGATGTCCTCGT 1264
Qy 361 ACCTGTGTGTGGGTGAGCCACCGAGGCGAGGGTGTTCGGGGCCGGGCGCATCTGCCT 420
Db 1265 ACCTGTGTGTGGGTGAGCCACCGAGGCGAGGGTGTTCGGGGCCGGGCGCATCTGCCT 1324
Qy 421 GGACCTGCCATCTCTGGATAGTGCCTCTCTGTCTCCAGGTGGGCCCATCTCCCTGTTTAT 480
Db 1325 GGACCTGCCATCTCTGGATAGTGCCTCTCTGTCTCCAGGTGGGCCCATCTCCCTGTTTAT 1384
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCCTATATGTTGTCTGCCGAGGCT 540
Db 1385 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCCTATATGTTGTCTGCCGAGGCT 1444
Qy 541 GGGCTGGTGGCCCATTTACTTTGTCTACACAGGTAGTATTTGACAAGAGC 589
Db 1445 GGGCTGGTGGCCCATTTACTTTGTCTACACAGGTAGTATTTGACAAGAGC 1493

RESULT 10

US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens

US-09-020-956-110

Query Match 100.0%; Score 589; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGAGCACTATTGGCCAGTGGCAGCTTCCCTGTGGCTCGCGTGCACATG 60
Db 1333 CACTCGAGCACTATTGGCCAGTGGCAGCTTCCCTGTGGCTCGCGTGCACATG 1392
Qy 61 CCTGTCCACAGTGTGGCCGTGTGACAGCTTACAGCGCCCTCACCGGGTTCACTTCTC 120

Db 1393 CCTGTCCACAGTGTGGCCGTGTGACAGCTTACAGCGCCCTCACCGGGTTCACTTCTC 1452
Qy 121 AGCCCTCAGATCTGCGCTTACACACTTGGCTCCCTCTACACCGGGAGAGCAGGTGTT 180
Db 1453 AGCCCTCAGATCTGCGCTTACACACTTGGCTCCCTCTACACCGGGAGAGCAGGTGTT 1512
Qy 181 CCTGTCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGGTGAGGACAGCCCTGATGACCAG 240
Db 1513 CCTGTCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGGTGAGGACAGCCCTGATGACCAG 1572
Qy 241 CTTCTCTCCAGGCGCTTAAGCTTGGAGCTCCCTTCCCTAAATGGAACAGTGGGTGCTGAGG 300
Db 1573 CTTCTCTCCAGGCGCTTAAGCTTGGAGCTCCCTTCCCTAAATGGAACAGTGGGTGCTGAGG 1632
Qy 301 CAGTGGCTCTGCCACCTCCACCGCGCTCTGGGGGCGCTCTGCCCTGTGATGTCCTCGT 360
Db 1633 CAGTGGCTCTGCCACCTCCACCGCGCTCTGGGGGCGCTCTGCCCTGTGATGTCCTCGT 1692
Qy 361 ACCTGTGGTGGGTGAGGCCACCGAGGCGAGGGTGTTCGGGGCCGGGCGCATCTGCCT 420
Db 1693 ACCTGTGGTGGGTGAGGCCACCGAGGCGAGGGTGTTCGGGGCCGGGCGCATCTGCCT 1752
Qy 421 GGAACCTGCCATCTGATAGTGCCTTCTGTCTCCAGGTGCCCGCCATCCCTGTTTAT 480
Db 1753 GGAACCTGCCATCTGATAGTGCCTTCTGTCTCCAGGTGCCCGCCATCCCTGTTTAT 1812
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCCTATATGTTGTGTCGCCGAGGCT 540
Db 1813 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCCTATATGTTGTGTCGCCGAGGCT 1872
Qy 541 GGGCTGTGGTGGCCATTTACTTTGTCTACACAGGTAGTATTTGACAAGAGC 589
Db 1873 GGGCTGTGGTGGCCATTTACTTTGTCTACACAGGTAGTATTTGACAAGAGC 1921

RESULT 11

US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

```

; MOLECULE TYPE: cdna
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-607-110

Query Match      100.0%; Score 589; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTCACACATG 60
Db 1333 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTCACACATG 1392
Qy 61 CTTGTCCCAACAGTGTGGCCGTGTGACAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTC 120
Db 1393 CTTGTCCCAACAGTGTGGCCGTGTGACAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTC 1452
Qy 121 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGT 180
Db 1453 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGT 1512
Qy 181 CTTGCCCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGTAGGACAGCCTGATGACCAG 240
Db 1513 CTTGCCCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGTAGGACAGCCTGATGACCAG 1572
Qy 241 CTTCTGTCAGGCTTAAAGCTTGGAGCTTCCCTTCCCTTAAATGGACACGTGGGTGCTGGAGG 300
Db 1573 CTTCTGTCAGGCTTAAAGCTTGGAGCTTCCCTTCCCTTAAATGGACACGTGGGTGCTGGAGG 1632
Qy 301 CAGTGGCTGTCCACCTTCCACCTGACACCGCGCTCTGCGGGGCTTGTGATGTCTCGT 360
Db 1633 CAGTGGCTGTCCACCTTCCACCTGACACCGCGCTCTGCGGGGCTTGTGATGTCTCGT 1692
Qy 361 AGTGTGTGTGGTGTAGCCACCGAGCCAGAGTGTGTTCCGGCCCGGGCATCTGCCT 420
Db 1693 AGTGTGTGTGGTGTAGCCACCGAGCCAGAGTGTGTTCCGGCCCGGGCATCTGCCT 1752
Qy 421 GGACCTCGCCATCTCGGATAGTGCCTTCTGCTGCCAGTGTGCCCATCCCTGTTTAT 480
Db 1753 GGACCTCGCCATCTCGGATAGTGCCTTCTGCTGCCAGTGTGCCCATCCCTGTTTAT 1812
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTGTGTCACTGCTATATGTTGTCTGCGGAGGCT 540
Db 1813 GGGCTCCATTGTCCAGCTCAGCCAGTGTGTCACTGCTATATGTTGTCTGCGGAGGCT 1872
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGTGTATTTTGACAAGAGC 589
Db 1873 GGGTCTGGTGGCCATTACTTTGCTACACAGTGTATTTTGACAAGAGC 1921

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RESULT 12
US-09-439-313-110
; Sequence 110, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-110

Query Match      100.0%; Score 589; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTCACACATG 60
Db 1333 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTCACACATG 1392
Qy 61 CTTGTCCCAACAGTGTGGCCGTGTGACAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTC 120
Db 1393 CTTGTCCCAACAGTGTGGCCGTGTGACAGCTTTCAGCGCCCTTACCGGGTTCACCTTCTC 1452
Qy 121 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGT 180
Db 1453 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGT 1512
Qy 181 CTTGCCCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGTAGGACAGCCTGATGACCAG 240
Db 1513 CTTGCCCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGTAGGACAGCCTGATGACCAG 1572
Qy 241 CTTCTGTCAGGCTTAAAGCTTGGAGCTTCCCTTCCCTTAAATGGACACGTGGGTGCTGGAGG 300
Db 1573 CTTCTGTCAGGCTTAAAGCTTGGAGCTTCCCTTCCCTTAAATGGACACGTGGGTGCTGGAGG 1632
Qy 301 CAGTGGCTGTCCACCTTCCACCTGACACCGCGCTCTGCGGGGCTTGTGATGTCTCGT 360
Db 1633 CAGTGGCTGTCCACCTTCCACCTGACACCGCGCTCTGCGGGGCTTGTGATGTCTCGT 1692
Qy 361 AGTGTGTGTGGTGTAGCCACCGAGCCAGAGTGTGTTCCGGCCCGGGCATCTGCCT 420
Db 1693 AGTGTGTGTGGTGTAGCCACCGAGCCAGAGTGTGTTCCGGCCCGGGCATCTGCCT 1752
Qy 421 GGACCTCGCCATCTCGGATAGTGCCTTCTGCTGCCAGTGTGCCCATCCCTGTTTAT 480
Db 1753 GGACCTCGCCATCTCGGATAGTGCCTTCTGCTGCCAGTGTGCCCATCCCTGTTTAT 1812
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTGTGTCACTGCTATATGTTGTCTGCGGAGGCT 540
Db 1813 GGGCTCCATTGTCCAGCTCAGCCAGTGTGTCACTGCTATATGTTGTCTGCGGAGGCT 1872
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGTGTATTTTGACAAGAGC 589
Db 1873 GGGTCTGGTGGCCATTACTTTGCTACACAGTGTATTTTGACAAGAGC 1921

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RESULT 13
US-09-352-616A-110
; Sequence 110, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110

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Query Match	100.0%	Score 589;	DB 3;	Length 3410;																																											
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Qy	181	C	T	T	G	C	C	A	A	T	A	C	G	A	G	G	G	A	C	A	T	G	A	G	T	G	C	T	A	G	A	G	A	C	A	G	C	T	G	A	T	A	C	A	G	240	
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RESULT 14
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; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun H.
; APPLICANT: Dillon, David C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602, 877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100

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Query Match      100.0%; Score 589; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 1.1e-145;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  CACTCGAGCAGTCTATTGGCCAGTTGGCAGCTTCCCTGTGCTCCGGTGCCACATG 60

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[illegible]

RESULT 15

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US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110

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	Query Match	100.0%;	Score 589;	DB 3;	Length 3410;
	Best Local Similarity	100.0%;	Pred. No. 1.1e-145;		
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Qy	61	CTGTGCCACAGTGTGGCCGTGGTGACACTTTCAGCGGCCCTCACCGGGTTCACTTCTC	120		
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Qy      |||||
241  CTTCTGCGCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGGACACGTTGGGTGCTGGAGG 300
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Qy      |||||
301  CAGTGGCTTGTCCCACTCCACCCCGGCTCTGCGGGGCTCTGCCTGTGATGTCTCCGT 360
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361  ACGTGTGGTGGTGGAGCCACCGAGGCGAGGGTGGTTCGGGGCCGGGGCATCTGCCT 420
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Qy      |||||
421  GGACCTCGCCATCCTGGATAGTGCCTTCTGTGTCCAGGTGGCCCCCATCCCTGTTTAT 480
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481  GGGCTCCATTTGTCAGCTCAGCCAGTCTGTCACTGCCTATATGGTGTCTGCGCAGGCCT 540
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541  GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAGAGC 589
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1873 GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAGAGC 1921
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Job time : 114.828 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2005, 03:52:53 ; Search time 427.104 seconds
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Gapop 10.0 , Gapext 1.0

Searched: 6054689 seqs, 3103772919 residues

Total number of hits satisfying chosen parameters: 12109378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW PUB.seq.*
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- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
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- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW PUB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	589	100.0	918	16	US-10-144-678A-1027
4	589	100.0	918	16	US-10-294-025-1027
5	589	100.0	1662	16	US-10-005-907-12
6	589	100.0	1662	17	US-10-295-027-547
7	589	100.0	1702	19	US-10-403-142-1

8	589	100.0	2133	15	US-10-296-770-3	Sequence 3, Appli
9	589	100.0	2143	9	US-09-841-894-15	Sequence 15, Appl
10	589	100.0	2152	9	US-09-841-894-16	Sequence 16, Appl
11	589	100.0	2582	17	US-10-295-027-901	Sequence 301, App
12	589	100.0	2904	9	US-09-759-143-703	Sequence 703, App
13	589	100.0	2904	9	US-09-780-669-703	Sequence 703, App
14	589	100.0	2904	9	US-09-822-827-703	Sequence 703, App
15	589	100.0	2904	9	US-09-895-793-703	Sequence 703, App
16	589	100.0	2904	9	US-09-895-814-703	Sequence 703, App
17	589	100.0	2904	13	US-10-012-896-703	Sequence 703, App
18	589	100.0	2904	16	US-10-144-678A-703	Sequence 703, App
19	589	100.0	2904	16	US-10-294-025-703	Sequence 703, App
20	589	100.0	3320	9	US-09-838-785-1	Sequence 1, Appli
21	589	100.0	3332	21	US-10-936-626-21	Sequence 21, Appl
22	589	100.0	3332	21	US-10-938-061-21	Sequence 21, Appl
23	589	100.0	3410	9	US-09-745-288-100	Sequence 100, App
24	589	100.0	3410	9	US-09-759-143-110	Sequence 110, App
25	589	100.0	3410	9	US-09-780-669-110	Sequence 110, App
26	589	100.0	3410	9	US-09-030-606-110	Sequence 110, App
27	589	100.0	3410	9	US-09-822-827-110	Sequence 110, App
28	589	100.0	3410	9	US-09-115-453-110	Sequence 110, App
29	589	100.0	3410	9	US-09-232-880-110	Sequence 110, App
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37	589	100.0	3410	19	US-10-688-838-110	Sequence 110, App
38	589	100.0	4034	9	US-09-759-143-704	Sequence 704, App
39	589	100.0	4034	9	US-09-780-669-704	Sequence 704, App
40	589	100.0	4034	9	US-09-822-827-704	Sequence 704, App
41	589	100.0	4034	9	US-09-895-793-704	Sequence 704, App
42	589	100.0	4034	9	US-09-895-814-704	Sequence 704, App
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45	589	100.0	4034	16	US-10-294-025-704	Sequence 704, App

ALIGNMENTS

RESULT 1

US-10-144-678A-1026
; Sequence 1026, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

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; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1026
; LENGTH: 741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-1026

Query Match      100.0%; Score 589; DB 16; Length 741;
Best Local Similarity 100.0%; Pred. No. 4.4e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 309 CTTGCCCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGAGGACACCTGTATGACACAG 368
Qy 241 CTTCTCTGCCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAAATGGACACGTTGGTGTGGAGG 300
Db 369 CTTCTCTGCCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAAATGGACACGTTGGTGTGGAGG 428
Qy 301 CAGTGGCCTGTCTCCACCTCCACCCGCGCTCTGGGGGCGCTCTGCTGTGATGTCTCGGT 360
Db 429 CAGTGGCCTGTCTCCACCTCCACCCGCGCTCTGGGGGCGCTCTGCTGTGATGTCTCGGT 488
Qy 361 AGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 420
Db 489 AGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 548
Qy 421 GGACCTCGCCATCTCGGATAGTGCCTTCTGTCTGCCAGGTGGGCCCATCCCTGTTTAT 480
Db 549 GGACCTCGCCATCTCGGATAGTGCCTTCTGTCTGCCAGGTGGGCCCATCCCTGTTTAT 608
Qy 481 GGGCTCCATTTGCCAGCTCAGCCAGTCTGTCTACCTGCTATATGTGTCTGCGCAGGCGCT 540
Db 609 GGGCTCCATTTGCCAGCTCAGCCAGTCTGTCTACCTGCTATATGTGTCTGCGCAGGCGCT 668
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RESULT 2

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US-10-294-025-1026
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; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: DIAGNOSIS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1026

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RESULT 3

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; Sequence 1027, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John

```

APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals y de Bassols, Carlota
APPLICANT: Foy, Teresa M.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Deng, Ta
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C28
CURRENT APPLICATION NUMBER: US/10/144.678A
CURRENT FILING DATE: 2002-08-12
NUMBER OF SEQ ID NOS: 1033
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1027
LENGTH: 918
TYPE: DNA
ORGANISM: Homo sapiens
US-10-144-678A-1027.

Query Match 100.0%; Score 589; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 4.5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 306 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGCTGCCCATG 365

QY 61 CCTGTCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTC 120
DB 366 CCTGTCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTC 425

QY 121 AGCCCTGCAGATCTGCGCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGT 180
DB 426 AGCCCTGCAGATCTGCGCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGT 485

QY 181 CTGTGCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGAGGACAGCCTGTATGACCAG 240
DB 486 CTGTGCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGAGGACAGCCTGTATGACCAG 545

QY 241 CTTCCTGCCAGGCCCTTAAGCTTGAAGCTTCCCTTAAATGGACACGTGGTGTGGAGG 300
DB 546 CTTCCTGCCAGGCCCTTAAGCTTGAAGCTTCCCTTAAATGGACACGTGGTGTGGAGG 605

QY 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGCTGTATGTCCTCGT 360
DB 606 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGCTGTATGTCCTCGT 665

QY 361 ACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 420
DB 666 ACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 725

QY 421 GGACCTGCCATCTCGATAGTGTCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 480
DB 726 GGACCTGCCATCTCGATAGTGTCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 785

QY 481 GGGCTCCATTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 540
DB 786 GGGCTCCATTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 845

QY 541 GGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 589
DB 846 GGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 894

RESULT 4
US-10-294-025-1027
Sequence 1027, Application US/10294025
Publication No. US20030185830A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C29
CURRENT APPLICATION NUMBER: US/10/294.025
CURRENT FILING DATE: 2002-11-12
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1027
LENGTH: 918
TYPE: DNA
ORGANISM: Homo sapiens
US-10-294-025-1027

Query Match 100.0%; Score 589; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 4.5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGCTGCCCATG 60
DB 306 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGCTGCCCATG 365

QY 61 CCTGTCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTC 120
DB 366 CCTGTCCACAGTGTGGCCGTGTGACAGCTTCAGCGCCCTCACCGGGTTCACTTCTC 425

QY 121 AGCCCTGCAGATCTGCGCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGT 180
DB 426 AGCCCTGCAGATCTGCGCTTACACACTGGCTCCCTCTACACCGGGAGAGCAGGTGT 485

QY 181 CTGTGCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGAGGACAGCCTGTATGACCAG 240
DB 486 CTGTGCCAAATACCGAGGGGACACTGGAGTGTAGCAGTGAGGACAGCCTGTATGACCAG 545

QY 241 CTTCCTGCCAGGCCCTTAAGCTTGAAGCTTCCCTTAAATGGACACGTGGTGTGGAGG 300
DB 546 CTTCCTGCCAGGCCCTTAAGCTTGAAGCTTCCCTTAAATGGACACGTGGTGTGGAGG 605

QY 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGCTGTATGTCCTCGT 360
DB 606 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGCTGTATGTCCTCGT 665

QY 361 ACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 420
DB 666 ACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 725

QY 421 GGACCTGCCATCTCGATAGTGTCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 480
DB 726 GGACCTGCCATCTCGATAGTGTCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 785

QY 481 GGGCTCCATTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 540
DB 786 GGGCTCCATTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGT 845

QY 541 GGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 589
DB 846 GGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 894

RESULT 5
US-10-005-907-12
Sequence 12, Application US/10005907
Publication No. US20030166881A1
GENERAL INFORMATION:
APPLICANT: Union Chimique Belge, S.A.
APPLICANT: No. US20030166881A1, Karl
APPLICANT: Pirozzi, Gregory
APPLICANT: Einstein, Richard
TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
FILE REFERENCE: 053529-5005
CURRENT APPLICATION NUMBER: US/10/005.907
CURRENT FILING DATE: 2001-12-07
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match      100.0%; Score 589; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 4.7e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGACGAGTCATATTTGGCCAGGTGGCGAGCTTTCCTGTGGCTGCGGTGCCACATG 60
Db 1050 CACTCGACGAGTCATATTTGGCCAGGTGGCGAGCTTTCCTGTGGCTGCGGTGCCACATG 1109

Qy 61 CTTGTCCACAGTGTGGCGGTGGTGACAGCTTTCAGCCGCCCTTACCCGGGTTTCACTTCTC 120
Db 1110 CTTGTCCACAGTGTGGCGGTGGTGACAGCTTTCAGCCGCCCTTACCCGGGTTTCACTTCTC 1169

Qy 121 AGCCCTGCAGATCCTGCGCTACACACTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 180
Db 1170 AGCCCTGCAGATCCTGCGCTACACACTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 1229

Qy 181 CTTGCCCAATACCGAGGGGACACTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 240
Db 1230 CTTGCCCAATACCGAGGGGACACTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 1289

Qy 241 CTTCTCGCCAGGCTTAAGCTTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 300
Db 1290 CTTCTCGCCAGGCTTAAGCTTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 1349

Qy 301 CAGTGGCTGTCTCCACCTTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCT 360
Db 1350 CAGTGGCTGTCTCCACCTTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCT 1409

Qy 361 AGCTGTGGTGGTGGTGGAGCCACCGAGGCGAGGCTGTCCGGGCGGGGCGATCTGCGCT 420
Db 1410 AGCTGTGGTGGTGGTGGAGCCACCGAGGCGAGGCTGTCCGGGCGGGGCGATCTGCGCT 1469

Qy 421 GGACCTCGCCATCTCTGATAGTGCCTTCTGCTGTCCAGTGTGGGCGCCCATCCCTGTTTAT 480
Db 1470 GGACCTCGCCATCTCTGATAGTGCCTTCTGCTGTCCAGTGTGGGCGCCCATCCCTGTTTAT 1529

Qy 481 GGGCTCGATTTGTCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCGGAGGCT 540
Db 1530 GGGCTCGATTTGTCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCGGAGGCT 1589

Qy 541 GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAGAGC 589
Db 1590 GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAGAGC 1638
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RESULT 6

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US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
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; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547
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Query Match      100.0%; Score 589; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 4.7e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 CACTCGAGCAGTCATATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 60
Db 1050 CACTCGAGCAGTCATATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 1109

Qy 61 CTTGTCCACAGTGTGGCGGTGGTGACAGCTTTCAGCGGCCCTTACCCGGGTTTCACTTCTC 120
Db 1110 CTTGTCCACAGTGTGGCGGTGGTGACAGCTTTCAGCGGCCCTTACCCGGGTTTCACTTCTC 1169

Qy 121 AGCCCTGCAGATCCTGCGCTTACACACTGGCGCTTCCCTTACCACTGGGAGAGCAGGTGT 180
Db 1170 AGCCCTGCAGATCCTGCGCTTACACACTGGCGCTTCCCTTACCACTGGGAGAGCAGGTGT 1229

Qy 181 CTTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGGAGTGTGTAGCAGTGGAGTGT 240
Db 1230 CTTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGGAGTGTGTAGCAGTGGAGTGT 1289

Qy 241 CTTCTCGCCAGGCTTAAGCTTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 300
Db 1290 CTTCTCGCCAGGCTTAAGCTTGGAGTGTAGCAGTGGAGTGTAGCAGTGGAGTGTAGCAG 1349

Qy 301 CAGTGGCTGTCTCCACCTTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCTCCCGT 360
Db 1350 CAGTGGCTGTCTCCACCTTCCACCTCCACCTCCACCTCCACCTCCACCTCCACCTCCCGT 1409

Qy 361 AGCTGTGGTGGTGGTGGAGCCACCGAGGCGAGGCTGTCCGGGCGGGGCGATCTGCGCT 420
Db 1410 AGCTGTGGTGGTGGTGGAGCCACCGAGGCGAGGCTGTCCGGGCGGGGCGATCTGCGCT 1469

Qy 421 GGACCTCGCCATCTCTGATAGTGCCTTCTGCTGTCCAGTGTGGGCGCCCATCCCTGTTTAT 480
Db 1470 GGACCTCGCCATCTCTGATAGTGCCTTCTGCTGTCCAGTGTGGGCGCCCATCCCTGTTTAT 1529

Qy 481 GGGCTCGATTTGTCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCGGAGGCT 540
Db 1530 GGGCTCGATTTGTCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCGGAGGCT 1589

Qy 541 GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAGAGC 589
Db 1590 GGGTCTGGTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAGAGC 1638
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Db 1590 GGGTCTGGTCGCCATTACTTTGCTACACAGGTAGTATTGACAAGAGC 1638

RESULT 7

US-10-403-142-1
; Sequence 1, Application US/10403142
; Publication No. US20040162236A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-573A
; CURRENT APPLICATION NUMBER: US/10/403,142
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 08/969106
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 09/544511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/369065
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/604286
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/651200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 09/662783
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 09/688598
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 09/894159
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: 09/918779
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 09/964956
; PRIOR FILING DATE: 2001-09-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 242
; SOFTWARE: CuroSeq1ist version 0.1
; SEQ ID NO 1
; LENGTH: 1702
; TYPE: DNA
; ORGANISM: Homo.sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21)..(1679)
US-10-403-142-1

Query Match 100.0%; Score 589; DB 19; Length 1702;
Best Local Similarity 100.0%; Pred. No. 4,7e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGTGCCACATG 60
Db 1070 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGTGCCACATG 1129
Qy 61 CCTGTCCACAGTGTGGCGTGGTGACAGCTTCAGCCGCCCTCCACCGGGTTTCACTTTCTC 120
Db 1130 CCTGTCCACAGTGTGGCGTGGTGACAGCTTCAGCCGCCCTCCACCGGGTTTCACTTTCTC 1189
Qy 121 AGCCCTGCAGATCTCGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGTT 180
Db 1190 AGCCCTGCAGATCTCGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGTT 1249
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGACGACAGCCCTGATGACCAG 240
Db 1250 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGACGACAGCCCTGATGACCAG 1309
Qy 241 CTTCTCGCAGGCCCTTAAGCCCTGGAGCTCCCTTCCCTTAATGACACGCTGGGTGCTGGAGG 300
Db 1310 CTTCTCGCAGGCCCTTAAGCCCTGGAGCTCCCTTCCCTTAATGACACGCTGGGTGCTGGAGG 1369
Qy 301 CAGTGGCCCTGCTCCACCTCCACCGGCGCTCTGGGGGGCCCTCTGCCTGTGATGCTCCGT 360
Db 1370 CAGTGGCCCTGCTCCACCTCCACCGGCGCTCTGGGGGGCCCTCTGCCTGTGATGCTCCGT 1429

Qy 361 ACGTGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGCCGGGGCATCTGCCT 420
Db 1430 ACGTGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCCGGGCCGGGGCATCTGCCT 1489
Qy 421 GGACCTCGCCATCCTGGATAGTGCCTTCCTGTGCTGCCAGGTGGCCCCCATCTGTTTAT 480
Db 1490 GGACCTCGCCATCCTGGATAGTGCCTTCCTGTGCTGCCAGGTGGCCCCCATCTGTTTAT 1549
Qy 481 GGGTCTCAATTGTCCAGCTCAGCCAGTGTCTCACTGCCCTATATGTTGTCTGCCGAGGCCT 540
Db 1550 GGGTCTCAATTGTCCAGCTCAGCCAGTGTCTCACTGCCCTATATGTTGTCTGCCGAGGCCT 1609
Qy 541 GGGTCTGGTCGCCATTACTTTGCTACACAGGTAGTATTGACAAGAGC 589
Db 1610 GGGTCTGGTCGCCATTACTTTGCTACACAGGTAGTATTGACAAGAGC 1658

RESULT 8

US-10-296-770-3
; Sequence 3, Application US/10296770
; Publication No. US20030104570A1
; GENERAL INFORMATION:
; APPLICANT: Cabezon Silva, Teresa Elisa Virginia
; APPLICANT: Delisse, Anne-Marie Eva Bernande
; TITLE OF INVENTION: Triple Fusion Proteins Comprising
; TITLE OF INVENTION: Ubiquitin Fused Between Thioredoxin and a Polypeptide of
; TITLE OF INVENTION: Interest
; FILE REFERENCE: B45221
; CURRENT APPLICATION NUMBER: US/10/296,770
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: PCT/EP01/06952
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: GB 0015619.0
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: GB 0026484.6
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2133
; TYPE: DNA
; ORGANISM: Chimaeric (E. coli - human)
US-10-296-770-3

Query Match 100.0%; Score 589; DB 15; Length 2133;
Best Local Similarity 100.0%; Pred. No. 4,8e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGTGCCACATG 60
Db 1497 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGTGCCACATG 1556
Qy 61 CCTGTCCACAGTGTGGCCGTGGTGACAGCTTCAGCCGCCCTCCACCGGGTTTCACTTTCTC 120
Db 1557 CCTGTCCACAGTGTGGCCGTGGTGACAGCTTCAGCCGCCCTCCACCGGGTTTCACTTTCTC 1616
Qy 121 AGCCCTGCAGATCTCGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGTT 180
Db 1617 AGCCCTGCAGATCTCGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGTT 1676
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGACGACAGCCCTGATGACCAG 240
Db 1677 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGACGACAGCCCTGATGACCAG 1736
Qy 241 CTTCTCGCAGGCCCTTAAGCCCTGGAGCTCCCTTCCCTTAATGACACGCTGGGTGCTGGAGG 300
Db 1737 CTTCTCGCAGGCCCTTAAGCCCTGGAGCTCCCTTCCCTTAATGACACGCTGGGTGCTGGAGG 1796
Qy 301 CAGTGGCCCTGCTCCACCTCCACCGGCGCTCTGGGGGGCCCTCTGCCTGTGATGCTCCGT 360
Db 1797 CAGTGGCCCTGCTCCACCTCCACCGGCGCTCTGGGGGGCCCTCTGCCTGTGATGCTCCGT 1856
Qy 361 ACGTGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTTCCGGGCCGGGGCATCTGCCT 420

Db 1857 ACCTGTGGTGGGTGAGCCACCGAGGCCAGGGTGGTTCGGGCCCGGGGCATCTGCCT 1916
Qy 421 GGACCTCGCCATCTCGGATAGTGCCTTCTGTGTGCCAGTGGGCCCATCCCTGTTTAT 480
Db 1917 GGACCTCGCCATCTCGGATAGTGCCTTCTGTGTGCCAGTGGGCCCATCCCTGTTTAT 1976
Qy 481 GGGCTCCATTTGCCAGCTCAGCCAGTCTGTCACTGCCATATATGGTGTCTGCGGCAGGGCT 540
Db 1977 GGGCTCCATTTGCCAGCTCAGCCAGTCTGTCACTGCCATATATGGTGTCTGCGGCAGGGCT 2036
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 589
Db 2037 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 2085

RESULT 9
US-09-841-894-15
; Sequence 15, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLASS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 2143 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-841-894-15

Query Match 100.0%; Score 589; DB 9; Length 2143;
Best Local Similarity 100.0%; Pred. No. 4.9e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGCTGTGGCAGCTTTCCCTGTGGTGGCGGTGCCACATG 60
Db 149 CACTCGAGCAGTCTATTTGGCCAGCTGTGGCAGCTTTCCCTGTGGTGGCGGTGCCACATG 208
Qy 61 CCTGTCCACAGTGTGGCCGTGGTGACAGCTTACAGCGCCCTCTACCCGGTTTCACTTCTC 120
Db 209 CCTGTCCACAGTGTGGCCGTGGTGACAGCTTACAGCGCCCTCTACCCGGTTTCACTTCTC 268
Qy 121 AGCCCTCGAGATCTGCGCCCTACACACTGGCTCCCTCTACCCCGGAGAGCAGGTGTT 180
Db 269 AGCCCTCGAGATCTGCGCCCTACACACTGGCTCCCTCTACCCCGGAGAGCAGGTGTT 328
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGTGTCTAGCAGTGAAGCAGCCGTGATGACCAG 240
Db 329 CCTGCCCAATACCGAGGGGACACTGGAGTGTCTAGCAGTGAAGCAGCCGTGATGACCAG 388
Qy 241 CTTCTGCGCAGGCGCTTAAGCCTGAGCTCCCTTCCCTAAATGGAACAAGTGGTCTGGAGG 300
Db 389 CTTCTGCGCAGGCGCTTAAGCCTGAGCTCCCTTCCCTAAATGGAACAAGTGGTCTGGAGG 448
Qy 301 CAGTGGCTGCTCCACACTCCACCGCGCTCTGCGGGCCCTCTGCCTGTGATGTCTCCGT 360
Db 449 CAGTGGCTGCTCCACACTCCACCGCGCTCTGCGGGCCCTCTGCCTGTGATGTCTCCGT 508
Qy 361 ACGTGTGTGGTGGTGAGCCACCGAGGCCAGGGTGGTTCGGGCCCGGGGCATCTGCCT 420
Db 509 ACGTGTGTGGTGGTGAGCCACCGAGGCCAGGGTGGTTCGGGCCCGGGGCATCTGCCT 568
Qy 421 GGACCTCGCCATCTCGATAGTGCCTTCTGTCTGCCAGTGGCCCCCATCCCTGTTTAT 480
Db 569 GGACCTCGCCATCTCGATAGTGCCTTCTGTCTGCCAGTGGCCCCCATCCCTGTTTAT 628
Qy 481 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 540
Db 629 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 688
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTGACAAGAGC 589
Db 689 GGGTCTGGTGGCCATTACTTTGCTACACAGGTAGTATTGACAAGAGC 737

RESULT 10
US-09-841-894-16
; Sequence 16, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLASS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2143 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-841-894-16


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; APPLICATION NUMBER: US/09/841,894
; FILING DATE: 25-Apr-2001
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <unknown>
; INFORMATION FOR SEQ ID NO: 16:
;     SEQUENCE CHARACTERISTICS:
;     LENGTH: 2152 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;     SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-841-894-16

Query Match      100.0%; Score 589; DB 9; Length 2152;
Best Local Similarity 100.0%; Pred. No. 4.9e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 60
Db 157 CACTCGAGCAGCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 216
Qy 61 CCGTGCCACAGTGTGGCGGTGGTACAGCTTACAGCCGCTTACCGGGTTCACTTCTC 120
Db 217 CCGTGCCACAGTGTGGCGGTGGTACAGCTTACAGCCGCTTACCGGGTTCACTTCTC 276
Qy 121 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCTTACCACCGGGAGAACAGAGTGT 180
Db 277 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCTTACCACCGGGAGAACAGAGTGT 336
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGAAGACAGCCTGTATGACGAG 240
Db 337 CCTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGAAGACAGCCTGTATGACGAG 396
Qy 241 CTTCTCCAGCGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGCTGGAGG 300
Db 397 CTTCTCCAGCGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGCTGGAGG 456
Qy 301 CAGTGGCCTGTCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCGT 360
Db 457 CAGTGGCCTGTCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCGT 516
Qy 361 ACGTGTGTGTGGGTGAGCCACCGAGGCGAGGGTGTTCGGGCGCGGGGCATCTGCCT 420
Db 517 ACGTGTGTGTGGGTGAGCCACCGAGGCGAGGGTGTTCGGGCGCGGGGCATCTGCCT 576
Qy 421 GGACTCGCCATCTGGATAGTGCCTTCTGCTGCCAGTGTGCCAGTGTGCCATCCCTGTTAT 480
Db 577 GGACTCGCCATCTGGATAGTGCCTTCTGCTGCCAGTGTGCCAGTGTGCCATCCCTGTTAT 636
Qy 481 GGGTCTCAATTGTCCAGCTCAGCCAGTCTGTCACTGCCTTATATGTGTGTCTGCCGAGGCT 540
Db 637 GGGTCTCAATTGTCCAGCTCAGCCAGTCTGTCACTGCCTTATATGTGTGTCTGCCGAGGCT 696
Qy 541 GGGTCTGTGTGCCATTTACTTTGTGTACACAGGTAGTATTGACAAGAGC 589
Db 697 GGGTCTGTGTGCCATTTACTTTGTGTACACAGGTAGTATTGACAAGAGC 745

RESULT 11
US-10-295-027-901
; Sequence 901, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 901
; LENGTH: 2582
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(2582)
; OTHER INFORMATION: n = g, a, c or t
US-10-295-027-901

Query Match      100.0%; Score 589; DB 17; Length 2582;
Best Local Similarity 100.0%; Pred. No. 4.9e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 60
Db 1359 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCGGTGCCACATG 1418
Qy 61 CCGTGCCACAGTGTGGCGGTGGTACAGCTTACAGCCGCTTACCGGGTTCACTTCTC 120
Db 1419 CCGTGCCACAGTGTGGCGGTGGTACAGCTTACAGCCGCTTACCGGGTTCACTTCTC 1478
Qy 121 AGCCCTGCAGATCCTGCCCTACACACTGGCCTCTTACCACCGGGAGAACAGAGTGT 180
Db 1479 AGCCCTGCAGATCCTGCCCTACACACTGGCCTCTTACCACCGGGAGAACAGAGTGT 1538
Qy 181 CCGTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGAAGACAGCCTGTATGACGAG 240
Db 1539 CCGTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGAAGACAGCCTGTATGACGAG 1598
Qy 241 CTTCTGCCAGGCGCTTAAGCCTTGAGCTTCCCTTCCCTAATGGACACCTGGGTGCTGGAGG 300
Db 1599 CTTCTGCCAGGCGCTTAAGCCTTGAGCTTCCCTTCCCTAATGGACACCTGGGTGCTGGAGG 1658
Qy 301 CAGTGGCCTGTCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCGGT 360
```

Db 1659 CAGTGGCCCTGCCACCTCCACCGCGCTCTGCGGGCCCTCTGCTGTGATGTCTCCGT 1718
Qy 361 ACGTGTGGTGGGTGAGCCACCGAGCCAGGGTGTTCGGGCGGGGCACTGCGCT 420
Db 1719 ACGTGTGGTGGGTGAGCCACCGAGCCAGGGTGTTCGGGCGGGGCACTGCGCT 1778
Qy 421 GGACCTGCCCATCTCTGGTAGTGCCTTCTGCTGCCAGGTGGGCCCATCCCTGTTTAT 480
Db 1779 GGACCTGCCCATCTCTGGTAGTGCCTTCTGCTGCCAGGTGGGCCCATCCCTGTTTAT 1838
Qy 481 GGGCTCCATTTGTCAGCTCAGCCAGTCTGTACTGCTATATGTTGTCGGGCAAGGCT 540
Db 1839 GGGCTCCATTTGTCAGCTCAGCCAGTCTGTCACTGCTATATGTTGTCGGGCAAGGCT 1898
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 589
Db 1899 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 1947

RESULT 12
US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match 100.0%; Score 589; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGGCGGTGCCACATG 60
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGGCGGTGCCACATG 964
Qy 61 CCGTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCACCAGGTTTCACTTCTC 120
Db 965 CCGTGTCCACAGTGTGGCGGTGGTGACAGCTTACGCCCTCACCAGGTTTCACTTCTC 1024
Qy 121 AGCCCTCGAGATCTCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAAGCAGGTGT 180
Db 1025 AGCCCTCGAGATCTCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAAGCAGGTGT 1084
Qy 181 CCGTGTCCAAATACGAGGGACACTGGAGGTGTAGCAGTGGAGCAGCCTGTATGCCAG 240

Db 1085 CCTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGAAGACAGCCTGTATGCCAG 1144
Qy 241 CTTCTGTCCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAAATGACACAGTGGGTGTCTGGAGG 300
Db 1145 CTTCTGTCCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTAAATGACACAGTGGGTGTCTGGAGG 1204
Qy 301 CAGTGGCTGTCTCCACCTCCACCGGCTCTGCGGGCCCTCTGCTGTGATGTCTCCGT 360
Db 1205 CAGTGGCTGTCTCCACCTCCACCGGCTCTGCGGGCCCTCTGCTGTGATGTCTCCGT 1264
Qy 361 ACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGTTCGGGCGGGGCACTGCGCT 420
Db 1265 ACGTGTGGTGGGTGAGCCACCGAGGCCAGGGTGTTCGGGCGGGGCACTGCGCT 1324
Qy 421 GGACCTGCCCATCTCTGGTAGTGCCTTCTGCTGCCAGGTGGGCCCATCCCTGTTTAT 480
Db 1325 GGACCTGCCCATCTCTGGTAGTGCCTTCTGCTGCCAGGTGGGCCCATCCCTGTTTAT 1384
Qy 481 GGGTCTCCATTTGTCAGCTCAGCCAGTCTGTCACTGCTATATGTTGTCGGGCAAGGCT 540
Db 1385 GGGTCTCCATTTGTCAGCTCAGCCAGTCTGTCACTGCTATATGTTGTCGGGCAAGGCT 1444
Qy 541 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 589
Db 1445 GGGTCTGGTGGCCATTACTTTGCTACACAGTAGTATTGACAAGAGC 1493

RESULT 13
US-09-780-669-703
; Sequence 703, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-703

Query Match 100.0%; Score 589; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGGCGGTGCCACATG 60
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGGCGGTGCCACATG 964

Qy 61 CCGTCCACAGTGTGGCGGTGACAGCTTACGCGCCCTCAGCCGGTTTCACTTCTC 120
Db 965 CCGTCCACAGTGTGGCGGTGACAGCTTACGCGCCCTCAGCCGGTTTCACTTCTC 1024
Qy 121 AGCCCTGCAGATCTGCCCTACACACTGGCCCTCCCTCTACACACCGGAGAGCAGGTGTT 180
Db 1025 AGCCCTGCAGATCTGCCCTACACACTGGCCCTCCCTCTACACACCGGAGAGCAGGTGTT 1084
Qy 181 CCGTCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGCAGGACAGCCTGATGACCAG 240
Db 1085 CCGTCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGCAGGACAGCCTGATGACCAG 1144
Qy 241 CTTCTGCGAGGCCCTAAGCCTGAGCTCCCTTCCCTTAATGAGACACGTGGGTGCTGGAGG 300
Db 1145 CTTCTGCGAGGCCCTAAGCCTGAGCTCCCTTCCCTTAATGAGACACGTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCTCCACCTCAGCCGAGCCAGCGGCTCTGGGGGCTCTGCTGTGATGTCTCGT 360
Db 1205 CAGTGGCTGTCTCCACCTCAGCCGAGCCAGCGGCTCTGGGGGCTCTGCTGTGATGTCTCGT 1264
Qy 361 ACGTGTGGTGTGGGTGAGCCACCGAGGGCAGGGTGGTTCCGGGCGGGGCATCTGCCT 420
Db 1265 ACGTGTGGTGTGGGTGAGCCACCGAGGGCAGGGTGGTTCCGGGCGGGGCATCTGCCT 1324
Qy 421 GGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 480
Db 1325 GGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 1384
Qy 481 GGGTCTCATTTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 540
Db 1385 GGGTCTCATTTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 1444
Qy 541 GGGTCTGGTCCCATTTACTTTGCTACACAGGTAGTATTGACAAGAGC 589
Db 1445 GGGTCTGGTCCCATTTACTTTGCTACACAGGTAGTATTGACAAGAGC 1493

RESULT 14
US-09-822-827-703
; Sequence 703, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822.827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-703

Query Match 100.0%; Score 589; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 60
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 964
Qy 61 CCGTCCCAAGTGTGGCGGTGACAGCTTACAGCCGCTCCTACCGGGTTTCACTTCTC 120
Db 965 CCGTCCCAAGTGTGGCGGTGACAGCTTACAGCCGCTCCTACCGGGTTTCACTTCTC 1024
Qy 121 AGCCCTGCAGATCTGCCCTACACACTGGCCCTCCCTCTACACACCGGAGAGCAGGTGTT 180
Db 1025 AGCCCTGCAGATCTGCCCTACACACTGGCCCTCCCTCTACACACCGGAGAGCAGGTGTT 1084
Qy 181 CCGTCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGCAGGACAGCCTGATGACCAG 240

Db 1085 CCGTCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGCAGGACAGCCTGATGACCAG 1144
Qy 241 CTTCTGCGAGGCCCTAAGCCTGAGCTCCCTTCCCTTAATGAGACACGTGGGTGCTGGAGG 300
Db 1145 CTTCTGCGAGGCCCTAAGCCTGAGCTCCCTTCCCTTAATGAGACACGTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCTCCACCTCAGCCGAGCCAGCGGCTCTGGGGGCTCTGCTGTGATGTCTCGT 360
Db 1205 CAGTGGCTGTCTCCACCTCAGCCGAGCCAGCGGCTCTGGGGGCTCTGCTGTGATGTCTCGT 1264
Qy 361 ACGTGTGGTGTGGGTGAGCCACCGAGGGCAGGGTGGTTCCGGGCGGGGCATCTGCCT 420
Db 1265 ACGTGTGGTGTGGGTGAGCCACCGAGGGCAGGGTGGTTCCGGGCGGGGCATCTGCCT 1324
Qy 421 GGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 480
Db 1325 GGACCTCGCCATCTCGATAGTGCCTTCTGCTGTCCAGGTGGCCCATCCCTGTTTAT 1384
Qy 481 GGGTCTCATTTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 540
Db 1385 GGGTCTCATTTGTCCAGCTCAGCCAGTCTGTCACTGCCTATATGTGTCTGCCGAGGCCT 1444
Qy 541 GGGTCTGGTCCCATTTACTTTGCTACACAGGTAGTATTGACAAGAGC 589
Db 1445 GGGTCTGGTCCCATTTACTTTGCTACACAGGTAGTATTGACAAGAGC 1493

RESULT 15
US-09-895-793-703
; Sequence 703, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Barbols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895.793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-703

Query Match 100.0%; Score 589; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 5e-163;
Matches 589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 60

905	Db	 CACTCGAGCAGTCTATTTTGGCCAGTGTGGCAGCTTTCCTCTGTGCTCCGGGTGCACATG	964
61	Qy	 CCTGTGCCACAGTGTGCGCGGTGTGACAGCTTACGCGCCCTCACCGGTTCACTTCTC	120
965	Db	 CCTGTGCCACAGTGTGCGCGGTGTGACAGCTTACGCGCCCTCACCGGTTCACTTCTC	1024
121	Qy	 AGCCCTGCAGATCTGTGCCCTACACACTGGCTCCCTCTACACCGGAGAGCAGAGTGT	180
1025	Db	 AGCCCTGCAGATCTGTGCCCTACACACTGGCTCCCTCTACACCGGAGAGCAGAGTGT	1084
181	Qy	 CCTGCCCAATAACGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGATGACCAG	240
1085	Db	 CCTGCCCAATAACGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGATGACCAG	1144
241	Qy	 CTTCTCTGCAGGCCCTAAGCTGTGAGCTCCCTTCCCTAAATGGACACGTGGGTGCTGGAGG	300
1145	Db	 CTTCTCTGCAGGCCCTAAGCTGTGAGCTCCCTTCCCTAAATGGACACGTGGGTGCTGGAGG	1204
301	Qy	 CAGTGGCTGTCTCCACCTCGACCGCGCTCTGGGGGCCCTCTGCTGTGATGTCCTCGT	360
1205	Db	 CAGTGGCTGTCTCCACCTCGACCGCGCTCTGGGGGCCCTCTGCTGTGATGTCCTCGT	1264
361	Qy	 ACGTGTGTGTGTGGTGTGAGCCACCGAGGCCAGGTGTGTTCCGGGCGGGGCATCTGCGCT	420
1265	Db	 ACGTGTGTGTGTGGTGTGAGCCACCGAGGCCAGGTGTGTTCCGGGCGGGGCATCTGCGCT	1324
421	Qy	 GGACCTCGCCATCTCTGGATAGTGCTTCTGCTGTCCAGGTGGCCCCATCTCCCTGTTAT	480
1325	Db	 GGACCTCGCCATCTCTGGATAGTGCTTCTGCTGTCCAGGTGGCCCCATCTCCCTGTTAT	1384
481	Qy	 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCCCGAGSCCT	540
1385	Db	 GGGCTCCATTGTCCAGCTCAGCCAGTCTGTCACTGCTTATATGTTGTCTGCCCGAGSCCT	1444
541	Qy	 GGGTCTGGTTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAAGC	589
1445	Db	 GGGTCTGGTTCGCCATTTACTTTTGCTACACAGGTAGTATTTGACAAAGC	1493

Search completed: June 16, 2005, 10:18:58
Job time : 428.104 secs


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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-15

Query Match      100.0%; Score 364; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 3.1e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db 149 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 208

QY 61 CTTGTCCTCCACAGTGTGGCGGTGGTGCACAGCTTTCAGCCGCTTACCGGGTTTCACTTTCTC 120
Db 209 CTTGTCCTCCACAGTGTGGCGGTGGTGCACAGCTTTCAGCCGCTTACCGGGTTTCACTTTCTC 268

QY 121 AGCCCTGCAGATCTGCGCTTACACACTGCGCTTCTACACACCGGGAGAGCAGGTGT 180
Db 269 AGCCCTGCAGATCTGCGCTTACACACTGCGCTTCTACACACCGGGAGAGCAGGTGT 328

QY 181 CTTGTCCTCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGGAGCAGCCTGATGCCAG 240
Db 329 CTTGTCCTCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGGAGCAGCCTGATGCCAG 388

QY 241 CTTGTCCTCCAGCGCTTAAGCCTGAGCTCCCTTCCCTTAATGGACACGTGGGTGTGGAGG 300
Db 389 CTTGTCCTCCAGCGCTTAAGCCTGAGCTCCCTTCCCTTAATGGACACGTGGGTGTGGAGG 448

QY 301 CAGTGGCTGTCTCCACCTTCCACCGCGCTTTCGCGGGGCTTGTGCTGTGATGTCTCCGT 360
Db 449 CAGTGGCTGTCTCCACCTTCCACCGCGCTTTCGCGGGGCTTGTGCTGTGATGTCTCCGT 508

QY 361 ACGT 364
Db 509 ACGT 512

RESULT 2
US-09-525-397-15
; Sequence 15, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-SEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2143 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-525-397-15

Query Match      100.0%; Score 364; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 3.1e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db 149 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 208

QY 61 CTTGTCCTCCACAGTGTGGCGGTGGTGCACAGCTTTCAGCCGCTTACCGGGTTTCACTTTCTC 120
Db 209 CTTGTCCTCCACAGTGTGGCGGTGGTGCACAGCTTTCAGCCGCTTACCGGGTTTCACTTTCTC 268

QY 121 AGCCCTGCAGATCTGCGCTTACACACTGCGCTTCTACACACCGGGAGAGCAGGTGT 180
Db 269 AGCCCTGCAGATCTGCGCTTACACACTGCGCTTCTACACACCGGGAGAGCAGGTGT 328

QY 181 CTTGTCCTCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGGAGCAGCCTGATGCCAG 240
Db 329 CTTGTCCTCCAAATACCGAGGGGACACTGGAGGTGTAGCAGTGGAGCAGCCTGATGCCAG 388

QY 241 CTTGTCCTCCAGCGCTTAAGCCTGAGCTCCCTTCCCTTAATGGACACGTGGGTGTGGAGG 300
Db 389 CTTGTCCTCCAGCGCTTAAGCCTGAGCTCCCTTCCCTTAATGGACACGTGGGTGTGGAGG 448

QY 301 CAGTGGCTGTCTCCACCTTCCACCGCGCTTTCGCGGGGCTTGTGCTGTGATGTCTCCGT 360
Db 449 CAGTGGCTGTCTCCACCTTCCACCGCGCTTTCGCGGGGCTTGTGCTGTGATGTCTCCGT 508

QY 361 ACGT 364
Db 509 ACGT 512

RESULT 3
US-09-071-710-16
; Sequence 16, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
```


;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Abbott Laboratories
;; STREET: 100 Abbott Park Road
;; CITY: Abbott Park
;; STATE: IL
;; COUNTRY: USA
;; ZIP: 60064-3500
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/071,710
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/850,713
;; FILING DATE: 02-MAY-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Becker, Cheryl L.
;; REGISTRATION NUMBER: 35,441
;; REFERENCE/DOCKET NUMBER: 6083.US.P1
;; TELEPHONE: 847/935-1729
;; TELEFAX: 847/938-2623
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 16:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2152 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-09-071-710-16

Query Match 100.0%; Score 364; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 3.1e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 60
Db 157 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 216

Qy 61 CTTGTCACAGTGTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 120
Db 217 CTTGTCACAGTGTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 276

Qy 121 AGCCCTGCAGATCTGCGCCCTACACACTGGCCCTCTTACCCCGGGAGACAGGTGTT 180
Db 277 AGCCCTGCAGATCTGCGCCCTACACACTGGCCCTCTTACCCCGGGAGACAGGTGTT 336

Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGACAGCTGTATGACCAG 240
Db 337 CCTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGACAGCTGTATGACCAG 396

Qy 241 CTTCTGCCAGGCGCTTAAGCCTTGGAGCTCCCTTTCCCTTAATGGACACGTGGGTGCTGGAGG 300
Db 397 CTTCTGCCAGGCGCTTAAGCCTTGGAGCTCCCTTTCCCTTAATGGACACGTGGGTGCTGGAGG 456

Qy 301 CAGTGGCTGTCTCCACCTCCACCCGGGCTCTGGGGGCTCTGCTGTGATGTCCTCGT 360
Db 457 CAGTGGCTGTCTCCACCTCCACCCGGGCTCTGCTGTGATGTCCTCGT 516

Qy 361 ACGT 364
Db 517 ACGT 520

RESULT 4

US-09-525-397-16
; Sequence 16, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:

;; APPLICANT: BILLING-MEDEL, PATRICIA
;; APPLICANT: COHEN, MAURICE
;; APPLICANT: COLPITTS, TRACEY L.
;; APPLICANT: FRIEDMAN, PAULA N.
;; APPLICANT: GORDON, JULIAN
;; APPLICANT: GRANADOS, EDWARD N.
;; APPLICANT: HODGES, STEVEN C.
;; APPLICANT: KLASS, MICHAEL R.
;; APPLICANT: KRATOCHVIL, JON D.
;; APPLICANT: ROBERTS-RAPP, LISA
;; APPLICANT: RUSSELL, JOHN C.
;; APPLICANT: STROUPE, STEPHEN D.
;; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
;; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
;; NUMBER OF SEQUENCES: 41
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Abbott Laboratories
;; STREET: 100 Abbott Park Road
;; CITY: Abbott Park
;; STATE: IL
;; COUNTRY: USA
;; ZIP: 60064-3500
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA: US/09/525,397
;; APPLICATION NUMBER: US/09/525,397
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/071,710
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Becker, Cheryl L.
;; REGISTRATION NUMBER: 35,441
;; REFERENCE/DOCKET NUMBER: 6083.US.P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 847/935-1729
;; TELEFAX: 847/938-2623
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 16:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2152 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-09-525-397-16

Query Match 100.0%; Score 364; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 3.1e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 60
Db 157 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 216

Qy 61 CTTGTCACAGTGTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 120
Db 217 CTTGTCACAGTGTGGCCAGTGTGGCAGCTTTCCTGTGCTGCGGTGCCACATG 276

Qy 121 AGCCCTGCAGATCTGCGCCCTACACACTGGCCCTCTTACCCCGGGAGACAGGTGTT 180
Db 277 AGCCCTGCAGATCTGCGCCCTACACACTGGCCCTCTTACCCCGGGAGACAGGTGTT 336

Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGACAGCTGTATGACCAG 240
Db 337 CCTGCCCAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGACAGCTGTATGACCAG 396

Qy 241 CTTCTGCCAGGCGCTTAAGCCTTGGAGCTCCCTTTCCCTTAATGGACACGTGGGTGCTGGAGG 300
Db 397 CTTCTGCCAGGCGCTTAAGCCTTGGAGCTCCCTTTCCCTTAATGGACACGTGGGTGCTGGAGG 456

QY 301 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
|||||
Db 457 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 516

QY 361 ACGT 364
|||||
Db 517 ACGT 520

RESULT 5

US-09-636-215-703

; Sequence 703, Application US/09636215

; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636,215

; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 703

; LENGTH: 2904

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-636-215-703

Query Match 100.0%; Score 364; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 3.4e-90; Mismatches 0; Indels 0; Gaps 0;
Matches 364; Conservative 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
|||||
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 964

QY 61 CTTGTCCACAGTGTGGCGGTGGTGCAGCTTTCAGCGCCCTTCCACCGGGTTCACCTTCTC 120
|||||
Db 965 CTTGTCCACAGTGTGGCGGTGGTGCAGCTTTCAGCGCCCTTCCACCGGGTTCACCTTCTC 1024

QY 121 AGCCCTGCAGATCTGCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAGAGCAGGTGTT 180
|||||
Db 1025 AGCCCTGCAGATCTGCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAGAGCAGGTGTT 1084

QY 181 CTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACGCTGATGACCAG 240
|||||
Db 1085 CTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACGCTGATGACCAG 1144

QY 241 CTTCTGCGAGCCCTTAAGCCTGTGAGTCCCTTCCCTAATGGAACACGTTGGGTGTGGAGG 300
|||||
Db 1145 CTTCTGCGAGCCCTTAAGCCTGTGAGTCCCTTCCCTAATGGAACACGTTGGGTGTGGAGG 1204

QY 301 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
|||||
Db 1205 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 1264

QY 361 ACGT 364
|||||
Db 1265 ACGT 1268

RESULT 6

US-09-685-166A-703

; Sequence 703, Application US/09685166A

; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C21

; CURRENT APPLICATION NUMBER: US/09/685,166A

; CURRENT FILING DATE: 2000-10-10

; NUMBER OF SEQ ID NOS: 898

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 703

; LENGTH: 2904

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-685-166A-703

Query Match 100.0%; Score 364; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 3.4e-90; Mismatches 0; Indels 0; Gaps 0;
Matches 364; Conservative 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
|||||
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 964

QY 61 CTTGTCCACAGTGTGGCGGTGGTGCAGCTTTCAGCGCCCTTCCACCGGGTTCACCTTCTC 120
|||||
Db 965 CTTGTCCACAGTGTGGCGGTGGTGCAGCTTTCAGCGCCCTTCCACCGGGTTCACCTTCTC 1024

QY 121 AGCCCTGCAGATCTGCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAGAGCAGGTGTT 180
|||||
Db 1025 AGCCCTGCAGATCTGCGCCCTACACACTGGCTTCCCTCTACCAACCGGGAGAGCAGGTGTT 1084

QY 181 CTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACGCTGATGACCAG 240
|||||
Db 1085 CTTGCCCAATAACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACGCTGATGACCAG 1144

QY 241 CTTCTGCGAGCCCTTAAGCCTGTGAGTCCCTTCCCTAATGGAACACGTTGGGTGTGGAGG 300
|||||
Db 1145 CTTCTGCGAGCCCTTAAGCCTGTGAGTCCCTTCCCTAATGGAACACGTTGGGTGTGGAGG 1204

QY 301 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
|||||
Db 1205 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 1264

QY 361 ACGT 364
|||||
Db 1265 ACGT 1268

RESULT 7

US-09-679-426-703
; Sequence 703, Application US/09679426
; Patent No. 6759515

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20

CURRENT APPLICATION NUMBER: US/09/679,426

CURRENT FILING DATE: 2000-10-02

NUMBER OF SEQ ID NOS: 895

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 703

LENGTH: 2904

TYPE: DNA

ORGANISM: Homo sapiens

US-09-679-426-703

Query Match 100.0%; Score 364; DB 4; Length 2904;

Best Local Similarity 100.0%; Pred. No. 3.4e-90;

Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCGGCACATG 60
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCGGCACATG 964
Qy 61 CCTGTCCACAGTGTGGCCGTGTGACAGCTTTACGCGCCCTTACCGGGTTTCACTTCTC 120
Db 965 CCTGTCCACAGTGTGGCCGTGTGACAGCTTTACGCGCCCTTACCGGGTTTCACTTCTC 1024
Qy 121 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 180
Db 1025 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 1084
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGTATGCCAG 240
Db 1085 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGTATGCCAG 1144
Qy 241 CTTCCTGCAGGCCCTTAAGCCTGGAGCTTCCCTTAATGACACGTTGGGTGCTGGAGG 300
Db 1145 CTTCCTGCAGGCCCTTAAGCCTGGAGCTTCCCTTAATGACACGTTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGGTGTATGTCCTCGT 360
Db 1205 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGGTGTATGTCCTCGT 1264
Qy 361 ACGT 364
Db 1265 ACGT 1268

RESULT 8

US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. 680746

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

APPLICANT:

Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.

GENERAL INFORMATION:

APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23

CURRENT APPLICATION NUMBER: US/09/759,143

CURRENT FILING DATE: 2001-01-12

NUMBER OF SEQ ID NOS: 934

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 703

LENGTH: 2904

TYPE: DNA

ORGANISM: Homo sapiens

US-09-759-143-703

Query Match 100.0%; Score 364; DB 4; Length 2904;

Best Local Similarity 100.0%; Pred. No. 3.4e-90;

Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCGGCACATG 60
Db 905 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGCGGCACATG 964
Qy 61 CCTGTCCACAGTGTGGCCGTGTGACAGCTTTACGCGCCCTTACCGGGTTTCACTTCTC 120
Db 965 CCTGTCCACAGTGTGGCCGTGTGACAGCTTTACGCGCCCTTACCGGGTTTCACTTCTC 1024
Qy 121 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 180
Db 1025 AGCCCTGCAGATCTGCCCTTACACACTGGCTTCCCTTACACCGGGAGAGCAGGTGTT 1084
Qy 181 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGTATGCCAG 240
Db 1085 CCTGCCCAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCCTGTATGCCAG 1144
Qy 241 CTTCCTGCAGGCCCTTAAGCCTGGAGCTTCCCTTAATGACACGTTGGGTGCTGGAGG 300
Db 1145 CTTCCTGCAGGCCCTTAAGCCTGGAGCTTCCCTTAATGACACGTTGGGTGCTGGAGG 1204
Qy 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGGTGTATGTCCTCGT 360
Db 1205 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGGGGGCTCTGCGGTGTATGTCCTCGT 1264
Qy 361 ACGT 364
Db 1265 ACGT 1268

RESULT 9

US-09-651-236-703
; Sequence 703, Application US/09651236
; Patent No. 6818751

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

```
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-651-236-703

Query Match      100.0%; Score 364; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 3.4e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGGTGCCACATG 60
Db      905  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGGTGCCACATG 964

QY      61  CCTGTCCCAACAGTGTGGCCGTGGTGACAGCTTCAGCGCCCTCACCGGGTTCACCTTCTC 120
Db      965  CTTGTCCCAACAGTGTGGCCGTGGTGACAGCTTCAGCGCCCTCACCGGGTTCACCTTCTC 1024

QY      121  AGCCCTGCAGATCCCTACACACTGGCCCTCCCTCTACCAACCGGGAGAGCAGGTGT 180
Db      1025  AGCCCTGCAGATCCCTACACACTGGCCCTCCCTCTACCAACCGGGAGAGCAGGTGT 1084

QY      181  CTTGCCCCAAATACGAGGGACACTGGAGGTGCTAGCAGTGAGGACACCTGATGACCA 240
Db      1085  CTTGCCCCAAATACGAGGGACACTGGAGGTGCTAGCAGTGAGGACACCTGATGACCA 1144

QY      241  CTTCTGTCCAGGCCCTTAAGCCTGGAGTCCCTTCCCTTAATGACACGTGGGTGCGAGG 300
Db      1145  CTTCTGTCCAGGCCCTTAAGCCTGGAGTCCCTTCCCTTAATGACACGTGGGTGCGAGG 1204

QY      301  CAGTGGCCTGTCCCACTCCACCGCGCTCTGCGGGGCCCTCTGCTGTGATGTCTCCGT 360
Db      1205  CAGTGGCCTGTCCCACTCCACCGCGCTCTGCGGGGCCCTCTGCTGTGATGTCTCCGT 1264

QY      361  ACGT 364
Db      1265  ACGT 1268

RESULT 10
US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSES: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
```

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; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-020-956-110

Query Match      100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGGTGCCACATG 60
Db      1333  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGGTGCCACATG 1392

QY      61  CTTCTGCCACAGTGTGCCGTGGTGACAGCTTCAGCGCCCTCACCGGGTTCACCTTCTC 120
Db      1393  CTTCTGCCACAGTGTGCCGTGGTGACAGCTTCAGCGCCCTCACCGGGTTCACCTTCTC 1452

QY      121  AGCCCTGCAGATCCCTGCCTACACACTGGCTCCCTCTACCAACCGGGAGAGCAGGTGT 180
Db      1453  AGCCCTGCAGATCCCTGCCTACACACTGGCTCCCTCTACCAACCGGGAGAGCAGGTGT 1512

QY      181  CTTGCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACCTGATGACCA 240
Db      1513  CTTGCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACACCTGATGACCA 1572

QY      241  CTTCTGCCAGGCCCTTAAGCCTGGAGTCCCTTCCCTTAATGACACGTGGGTGCTGGAGG 300
Db      1573  CTTCTGCCAGGCCCTTAAGCCTGGAGTCCCTTCCCTTAATGACACGTGGGTGCTGGAGG 1632

QY      301  CAGTGGCCTGTCCCACTCCACCGCGCTCTGCGGGGCCCTCTGCTGTGATGTCTCCGT 360
Db      1633  CAGTGGCCTGTCCCACTCCACCGCGCTCTGCGGGGCCCTCTGCTGTGATGTCTCCGT 1692

QY      361  ACGT 364
Db      1693  ACGT 1696

RESULT 11
US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSES: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
```

CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/030.607
FILING DATE: 25-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.427C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 110:
SEQUENCE CHARACTERISTICS:
LENGTH: 3410 base pairs
Type: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-09-030-607-110

Query Match 100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db 1333 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 1392

Qy 61 CCTGTCCACAGTGTGGCCGTGGTGGACAGCTTACGCGCCCTCACCGGGTTCACTTCTC 120
Db 1393 CCTGTCCACAGTGTGGCCGTGGTGGACAGCTTACGCGCCCTCACCGGGTTCACTTCTC 1452

Qy 121 AGCCTCGAGATCTGCGCTTACACACTGGGCTTCCCTTACACCGGGAAGCAGGTGTT 180
Db 1453 AGCCTCGAGATCTGCGCTTACACACTGGGCTTCCCTTACACCGGGAAGCAGGTGTT 1512

Qy 181 CCTGCCAAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGGACAGCCTGTATGACAG 240
Db 1513 CCTGCCAAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGGACAGCCTGTATGACAG 1572

Qy 241 CTTCTGCCAGGCGCTTAAGCTTGAAGCTTCCCTTCCCTTAATGGACACCTGGGTGCTGGAGG 300
Db 1573 CTTCTGCCAGGCGCTTAAGCTTGAAGCTTCCCTTCCCTTAATGGACACCTGGGTGCTGGAGG 1632

Qy 301 CAGTGGCTGCTCCACCTCCACCTCCAGCGGCTCTGGGGGCTCTGCGGCTGTGTATGCTCCGT 360
Db 1633 CAGTGGCTGCTCCACCTCCACCTCCAGCGGCTCTGCGGCTGTGTATGCTCCGT 1692

Qy 361 ACGT 364
Db 1693 ACGT 1696

RESULT 12
US-09-439-313-110
Sequence 110, Application US/09439313
Patent No. 6329505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqui
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439.313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 110
LENGTH: 3410
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-110

Query Match 100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db 1333 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 1392

Qy 61 CCTGTCCACAGTGTGGCCGTGGTGGACAGCTTACGCGCCCTCACCGGGTTCACTTCTC 120
Db 1393 CCTGTCCACAGTGTGGCCGTGGTGGACAGCTTACGCGCCCTCACCGGGTTCACTTCTC 1452

Qy 121 AGCCTCGAGATCTGCGCTTACACACTGGGCTTCCCTTACACCGGGAAGCAGGTGTT 180
Db 1453 AGCCTCGAGATCTGCGCTTACACACTGGGCTTCCCTTACACCGGGAAGCAGGTGTT 1512

Qy 181 CCTGCCAAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGGACAGCCTGTATGACAG 240
Db 1513 CCTGCCAAATACCGAGGGGACACTGGAGTGTGTAGCAGTGAGGACAGCCTGTATGACAG 1572

Qy 241 CTTCTGCCAGGCGCTTAAGCTTGAAGCTTCCCTTCCCTTAATGGACACCTGGGTGCTGGAGG 300
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Qy 301 CAGTGGCTGCTCCACCTCCACCTCCAGCGGCTCTGGGGGCTCTGCGGCTGTGTATGCTCCGT 360
Db 1633 CAGTGGCTGCTCCACCTCCACCTCCAGCGGCTCTGCGGCTGTGTATGCTCCGT 1692

Qy 361 ACGT 364
Db 1693 ACGT 1696

RESULT 13
US-09-352-616A-110
Sequence 110, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yuqui
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352.616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 110
LENGTH: 3410
TYPE: DNA

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; ORGANISM: Homo sapien
US-09-352-616A-110

Query Match      100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGAGTGTGGCGGTGCCACATG 60
Db 1333 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGAGTGTGGCGGTGCCACATG 1392

Qy 61 CTTGTCACACAGTGTGGCGGTGGTACAGCTTCACGCGCCCTCACCGGGTTTCACTTTCTC 120
Db 1393 CTTGTCACACAGTGTGGCGGTGGTACAGCTTCACGCGCCCTCACCGGGTTTCACTTTCTC 1452

Qy 121 AGCCCTGCAGATCTCTGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGT 180
Db 1453 AGCCCTGCAGATCTCTGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGT 1512

Qy 181 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACACACCTGATGACCCAG 240
Db 1513 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACACACCTGATGACCCAG 1572

Qy 241 CTTCTGCGCAGCCCTTAAGCCTGAGCTCCCTTCCCTAATGACACACGTGGGTGCTGGAGG 300
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Qy 301 CAGTGGCCTGTCTCCACACCTCCACCCGGCTCTGGGGGCTCTGCTGTGATGTCTCCGT 360
Db 1633 CAGTGGCCTGTCTCCACACCTCCACCCGGCTCTGGGGGCTCTGCTGTGATGTCTCCGT 1692

Qy 361 ACGT 364
Db 1693 ACGT 1696

RESULT 15
US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110

Query Match      100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGAGTGTGGCGGTGCCACATG 60
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Qy 61 CTTGTCACACAGTGTGGCGGTGGTACAGCTTCACGCGCCCTCACCGGGTTTCACTTTCTC 120
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Qy 121 AGCCCTGCAGATCTCTGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGT 180
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Qy 181 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACACACCTGATGACCCAG 240
Db 1513 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACACACCTGATGACCCAG 1572

Qy 241 CTTCTGCGCAGCCCTTAAGCCTGAGCTCCCTTCCCTAATGACACACGTGGGTGCTGGAGG 300
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Qy 301 CAGTGGCCTGTCTCCACACCTCCACCCGGCTCTGGGGGCTCTGCTGTGATGTCTCCGT 360
Db 1633 CAGTGGCCTGTCTCCACACCTCCACCCGGCTCTGGGGGCTCTGCTGTGATGTCTCCGT 1692

Qy 361 ACGT 364
Db 1693 ACGT 1696

RESULT 14
US-09-602-877A-100
; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100

Query Match      100.0%; Score 364; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 3.6e-90;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGAGTGTGGCGGTGCCACATG 60
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Qy 61 CTTGTCACACAGTGTGGCGGTGGTACAGCTTCACGCGCCCTCACCGGGTTTCACTTTCTC 120
Db 1393 CTTGTCACACAGTGTGGCGGTGGTACAGCTTCACGCGCCCTCACCGGGTTTCACTTTCTC 1452

Qy 121 AGCCCTGCAGATCTCTGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGT 180
Db 1453 AGCCCTGCAGATCTCTGCCCTACACACTGGCCCTCCCTCTACACCGGGAGAGCAGGTGT 1512
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
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Title: US-09-605-783A-110_COPY_1333_1696

Perfect score: 364

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Gapop 10.0, Gapext 1.0

Searched: 6054689 seqs, 3103772919 residues

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Minimum DB seq length: 0
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	364	100.0	741	16	US-10-144-678A-1026
2	364	100.0	741	16	US-10-294-025-1026
3	364	100.0	918	16	US-10-144-678A-1027
4	364	100.0	918	16	US-10-294-025-1027
5	364	100.0	1065	13	US-10-012-896-1010
6	364	100.0	1065	16	US-10-144-678A-1010
7	364	100.0	1065	16	US-10-294-025-1010

8	364	100.0	1662	16	US-10-005-907-12	Sequence 12, Appl
9	364	100.0	1662	17	US-10-295-027-547	Sequence 547, App
10	364	100.0	1702	19	US-10-403-142-1	Sequence 1, Appli
11	364	100.0	2133	15	US-10-296-770-3	Sequence 3, Appli
12	364	100.0	2143	9	US-09-841-894-15	Sequence 15, Appl
13	364	100.0	2152	9	US-09-841-894-16	Sequence 16, Appl
14	364	100.0	2582	17	US-10-295-027-901	Sequence 901, App
15	364	100.0	2904	9	US-09-759-143-703	Sequence 703, App
16	364	100.0	2904	9	US-09-780-669-703	Sequence 703, App
17	364	100.0	2904	9	US-09-822-827-703	Sequence 703, App
18	364	100.0	2904	9	US-09-895-793-703	Sequence 703, App
19	364	100.0	2904	9	US-09-895-814-703	Sequence 703, App
20	364	100.0	2904	13	US-10-012-896-703	Sequence 703, App
21	364	100.0	2904	16	US-10-144-678A-703	Sequence 703, App
22	364	100.0	2904	16	US-10-294-025-703	Sequence 703, App
23	364	100.0	3320	9	US-09-838-785-1	Sequence 1, Appli
24	364	100.0	3332	21	US-10-936-626-21	Sequence 21, Appl
25	364	100.0	3332	21	US-10-938-061-21	Sequence 21, Appl
26	364	100.0	3410	9	US-09-745-288-100	Sequence 100, App
27	364	100.0	3410	9	US-09-759-143-110	Sequence 110, App
28	364	100.0	3410	9	US-09-780-669-110	Sequence 110, App
29	364	100.0	3410	9	US-09-030-606-110	Sequence 110, App
30	364	100.0	3410	9	US-09-822-827-110	Sequence 110, App
31	364	100.0	3410	9	US-09-115-453-110	Sequence 110, App
32	364	100.0	3410	9	US-09-232-880-110	Sequence 110, App
33	364	100.0	3410	9	US-09-895-793-110	Sequence 110, App
34	364	100.0	3410	9	US-09-895-814-110	Sequence 110, App
35	364	100.0	3410	13	US-10-012-896-110	Sequence 110, App
36	364	100.0	3410	14	US-10-010-940-110	Sequence 110, App
37	364	100.0	3410	16	US-10-144-678A-110	Sequence 110, App
38	364	100.0	3410	16	US-10-294-025-110	Sequence 110, App
39	364	100.0	3410	18	US-10-453-919-100	Sequence 100, App
40	364	100.0	3410	19	US-10-688-838-110	Sequence 110, App
41	364	100.0	4034	9	US-09-759-143-704	Sequence 704, App
42	364	100.0	4034	9	US-09-780-669-704	Sequence 704, App
43	364	100.0	4034	9	US-09-822-827-704	Sequence 704, App
44	364	100.0	4034	9	US-09-895-793-704	Sequence 704, App
45	364	100.0	4034	9	US-09-895-814-704	Sequence 704, App

ALIGNMENTS

RESULT 1

US-10-144-678A-1026
; Sequence 1026, Application US/10144678A
; Publication No. US20030157089A1

GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu

; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.

; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota

; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro

; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

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; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1026
; LENGTH: 741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-1026

Query Match 100.0%; Score 364; DB 16; Length 741;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTTCGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGGTGCCACATG 60
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QY 121 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCCCTTACCACCGGGAGAACAGGTGTT 180
Db 249 AGCCCTGCAGATCCTGCCCTACACACTGGCCCTCCCTTACCACCGGGAGAACAGGTGTT 308
QY 181 CTTGTCCCAACAGTGTGGCGTGTGACAGCTTCAGCGGCCCTCACCGGTTTCACCTTCTC 240
Db 309 CTTGTCCCAACAGTGTGGCGTGTGACAGCTTCAGCGGCCCTCACCGGTTTCACCTTCTC 368
QY 241 CTTGTCCCAACAGTGTGGCGTGTGACAGCTTCAGCGGCCCTCACCGGTTTCACCTTCTC 300
Db 369 CTTGTCCCAACAGTGTGGCGTGTGACAGCTTCAGCGGCCCTCACCGGTTTCACCTTCTC 428
QY 301 CAGTGGCTGTCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
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QY 361 ACGT 364
Db 489 ACGT 492

RESULT 2
US-10-294-025-1026
; Sequence 1026, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1026
; LENGTH: 741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-1026

Query Match 100.0%; Score 364; DB 16; Length 741;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CTTGTCCCAACAGTGTGGCGTGTGACAGCTTCAGCGGCCCTCACCGGTTTCACCTTCTC 120
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RESULT 3
US-10-144-678A-1027
; Sequence 1027, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1027
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-1027

Query Match 100.0%; Score 364; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTTCGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGGTGCCACATG 60
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Db 306 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGTCACATG 365
Qy 61 CCTGTCCACACAGTGTGGCGTGCACAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 120
Db 366 CCTGTCCACACAGTGTGGCGTGTGGTGCAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 425
Qy 121 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 180
Db 426 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 485
Qy 181 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 240
Db 486 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 545
Qy 241 CTTCTGTCCAGCCCTTAAGCCTGAGCTCCCTTCCCTTAATGACACGTGGGTGTGGAGG 300
Db 546 CTTCTGTCCAGCCCTTAAGCCTGAGCTCCCTTCCCTTAATGACACGTGGGTGTGGAGG 605
Qy 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGCCCTCTGCTGTGTATGTCTCCGT 360
Db 606 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGCCCTCTGCTGTGTATGTCTCCGT 665
Qy 361 ACGT 364
Db 666 ACGT 669

RESULT 4

US-10-294-025-1027
; Sequence 1027, Application US/10294025
; Publication No. US20030185830A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1027
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-294-025-1027

Query Match 100.0%; Score 364; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGTCACATG 60
Db 306 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGTCACATG 365
Qy 61 CCTGTCCACACAGTGTGGCGTGTGGTGCAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 120
Db 366 CCTGTCCACACAGTGTGGCGTGTGGTGCAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 425
Qy 121 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 180
Db 426 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 485
Qy 181 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 240
Db 486 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 545
Qy 241 CTTCTGTCCAGCCCTTAAGCCTGAGCTCCCTTCCCTTAATGACACGTGGGTGTGGAGG 300
Db 546 CTTCTGTCCAGCCCTTAAGCCTGAGCTCCCTTCCCTTAATGACACGTGGGTGTGGAGG 605

Qy 301 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGCCCTCTGCTGTGTATGTCTCCGT 360
Db 606 CAGTGGCTGTCTCCACCTCCACCGCGCTCTGCGGGCCCTCTGCTGTGTATGTCTCCGT 665
Qy 361 ACGT 364
Db 666 ACGT 669

RESULT 5

US-10-012-896-1010
; Sequence 1010, Application US/10012896
; Publication No. US20020183251A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepier, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Mesgher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1010
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-012-896-1010

Query Match 100.0%; Score 364; DB 13; Length 1065;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGTCACATG 60
Db 504 CACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTTCCTGTGGCTGCCGTCACATG 563
Qy 61 CCTGTCCACACAGTGTGGCGTGTGGTGCAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 120
Db 564 CCTGTCCACACAGTGTGGCGTGTGGTGCAGCTTTCAGCGCCCTCACCGGGTTTCACTTCTC 623
Qy 121 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 180
Db 624 AGCCCTGCAGATTCCTGCCCTACACACTGGCCCTCTACACCGGGAGAGCAGTGT 683
Qy 181 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 240
Db 684 CTTGCCCAATACCGAGGGGACACTGGAGGTGTAGCAGTGTAGGACAGCCTGTATGACACAG 743
Qy 241 CTTCTGTCCAGCCCTTAAGCCTGAGCTCCCTTCCCTTAATGACACGTGGGTGTGGAGG 300

Db 744 CTTCTGCGAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATGACACAGTGGGTGCTGGAGG 803
QY 301 CAGTGGCCTGCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
Db 804 CAGTGGCCTGCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 863
QY 361 ACGT 364
Db 864 ACGT 867

RESULT 6

US-10-144-678A-1010

; Sequence 1010, Application US/10144678A

; Publication No. US20030157089A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Hepler, William T.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals y de Bassols, Carlota

; APPLICANT: Foy, Teresa M.

; APPLICANT: Watanabe, Yoshihiro

; APPLICANT: Deng, Ta

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C28

; CURRENT APPLICATION NUMBER: US/10/144,678A

; CURRENT FILING DATE: 2002-08-12

; NUMBER OF SEQ ID NOS: 1033

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1010

; LENGTH: 1065

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-144-678A-1010

Query Match 100.0%; Score 364; DB 16; Length 1065;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGGTCCACATG 60
Db 504 CACTGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGGTCCACATG 563
QY 61 CTTGTCACAGTGTGGCGGTGGTGGACAGCTTACGCCCTTACCGGGTTCACTTCTC 120
Db 564 CTTGTCACAGTGTGGCGGTGGTGGACAGCTTACGCCCTTACCGGGTTCACTTCTC 623
QY 121 AGCCCTGCAGATCCTGCCCTACACACTGGCCTCCCTCTACCAACCGGGAGACAGGTGT 180
Db 624 AGCCCTGCAGATCCTGCCCTACACACTGGCCTCCCTCTACCAACCGGGAGACAGGTGT 683
QY 181 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAGCCTGATGACCAG 240
Db 684 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTAGGACAGCCTGATGACCAG 743
QY 241 CTTCTGCGAGGCCCTAAGCCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
Db 744 CTTCTGCGAGGCCCTAAGCCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 863
QY 301 CAGTGGCCTGCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
Db 804 CAGTGGCCTGCTCCACCTCCACCCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 863
QY 361 ACGT 364
Db 864 ACGT 867

RESULT 8

US-10-005-907-12

; Sequence 12, Application US/10005907

; Publication No. US20030166881A1

; GENERAL INFORMATION:

; APPLICANT: Union Chimique Belge, S.A.


```
; APPLICANT: No. US20030165881Aalka, Karl
; APPLICANT: Pirozzi, Gregory
; APPLICANT: Einstein, Richard
; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
; FILE REFERENCE: 053529-5005
; CURRENT APPLICATION NUMBER: US/10/005,907
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match      100.0%; Score 364; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 60
Db 1050 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 1109

Qy 61 CTTGTCCACACAGTGTGGCGTGGTGACAGCTTCACGCGCCCTCACCGGGTTCACCTTCTC 120
Db 1110 CTTGTCCACACAGTGTGGCGTGGTGACAGCTTCACGCGCCCTCACCGGGTTCACCTTCTC 1169

Qy 121 AGCCCTGCAGATCTTCCCTTACACACTGGCCCTCCCTTACACCGGGAGAGCAGGTGT 180
Db 1170 AGCCCTGCAGATCTTCCCTTACACACTGGCCCTCCCTTACACCGGGAGAGCAGGTGT 1229

Qy 181 CCTGCCCAATAACGAGGGGACACTGGAGGTGTAGCAGTGGAGACAGCTGTATGACACAG 240
Db 1230 CCTGCCCAATAACGAGGGGACACTGGAGGTGTAGCAGTGGAGACAGCTGTATGACACAG 1289

Qy 241 CTTCTGTCCAGGCCCTTAAGCTTGGAGCTTCCCTTCCCTTAATGGACAGTGGGTGCTGGAGG 300
Db 1290 CTTCTGTCCAGGCCCTTAAGCTTGGAGCTTCCCTTCCCTTAATGGACAGTGGGTGCTGGAGG 1349

Qy 301 CAGTGGCTGTCCCACTCCACCGCGCTCTGGGGGGCCCTCTGCTGTGATGCTCCGT 360
Db 1350 CAGTGGCTGTCCCACTCCACCGCGCTCTGGGGGGCCCTCTGCTGTGATGCTCCGT 1409

Qy 361 ACGT 364
Db 1410 ACGT 1413

RESULT 9
US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
```

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; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547

Query Match      100.0%; Score 364; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 60
Db 1050 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 1109

Qy 61 CTTGTCCACACAGTGTGGCGTGGTGACAGCTTCACGCGCCCTCACCGGGTTCACCTTCTC 120
Db 1110 CTTGTCCACACAGTGTGGCGTGGTGACAGCTTCACGCGCCCTCACCGGGTTCACCTTCTC 1169

Qy 121 AGCCCTGCAGATCTTCCCTTACACACTGGCCCTCCCTTACACCGGGAGAGCAGGTGT 180
Db 1170 AGCCCTGCAGATCTTCCCTTACACACTGGCCCTCCCTTACACCGGGAGAGCAGGTGT 1229

Qy 181 CCTGCCCAATAACGAGGGGACACTGGAGGTGTAGCAGTGGAGACAGCTGTATGACACAG 240
Db 1230 CCTGCCCAATAACGAGGGGACACTGGAGGTGTAGCAGTGGAGACAGCTGTATGACACAG 1289

Qy 241 CTTCTGTCCAGGCCCTTAAGCTTGGAGCTTCCCTTCCCTTAATGGACAGTGGGTGCTGGAGG 300
Db 1290 CTTCTGTCCAGGCCCTTAAGCTTGGAGCTTCCCTTCCCTTAATGGACAGTGGGTGCTGGAGG 1349

Qy 301 CAGTGGCTGTCCCACTCCACCGCGCTCTGGGGGGCCCTCTGCTGTGATGCTCCGT 360
Db 1350 CAGTGGCTGTCCCACTCCACCGCGCTCTGGGGGGCCCTCTGCTGTGATGCTCCGT 1409

Qy 361 ACGT 364
Db 1410 ACGT 1413

RESULT 10
US-10-403-142-1
; Sequence 1, Application US/10403142
; Publication No. US20040162236A1
; GENERAL INFORMATION:
; APPLICANT: Alsebrook et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-573A
; CURRENT APPLICATION NUMBER: US/10/403,142
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 08/969106
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; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 09/544511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/369065
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/604286
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/651200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 09/662783
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 09/688598
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 09/894159
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: 09/918779
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 09/964956
; PRIOR FILING DATE: 2001-09-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 242
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 1
; LENGTH: 1702
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21)..(1679)
; US-10-403-142-1

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Query Match      100.0%; Score 364; DB 19; Length 1702;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db      1070 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 1129

QY      61  CTTGCTCCCAAGTGTGGCGTGTGACAGCTTCAGCCGCCCTCACCACCGGGTTCACCTTCTC 120
Db      1130 CTTGCTCCCAAGTGTGGCGTGTGACAGCTTCAGCCGCCCTCACCACCGGGTTCACCTTCTC 1189

QY      121 AGCCCTGCGAGTCTGCTCCCTACACACTGGCCCTCCCTCTACCAACCGGGGAGACAGGTGTT 180
Db      1190 AGCCCTGCGAGTCTGCTCCCTACACACTGGCCCTCCCTCTACCAACCGGGGAGACAGGTGTT 1249

QY      181 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCTGATGACCCAG 240
Db      1250 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCTGATGACCCAG 1309

QY      241 CTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTTAATGGACAGCTGGGTGCTGGAGG 300
Db      1310 CTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTTAATGGACAGCTGGGTGCTGGAGG 1369

QY      301 CAGTGGCTGTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
Db      1370 CAGTGGCTGTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 1429

QY      361 ACGT 364
Db      1430 ACGT 1433

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RESULT 11
US-10-296-770-3
; Sequence 3, Application US/10296770
; Publication No. US20030104570A1
; GENERAL INFORMATION:
; APPLICANT: Cabazon Silva, Teresa Elisea Virginia
; APPLICANT: Delisse, Anne-Marie Eva Fernande
; TITLE OF INVENTION: Triple Fusion Proteins Comprising
; TITLE OF INVENTION: Ubiquitin Fused Between Thioredoxin and a Polypeptide of

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; TITLE OF INVENTION: Interest
; FILE REFERENCE: B45221
; CURRENT APPLICATION NUMBER: US/10/296,770
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: PCT/EP01/06952
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: GB 0015619.0
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: GB 0026484.6
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2133
; TYPE: DNA
; ORGANISM: Chimaeric (E. coli - human)
; US-10-296-770-3

Query Match      100.0%; Score 364; DB 15; Length 2133;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 60
Db      1497 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCGGTGCCACATG 1556

QY      61  CTTGTCCCAAGTGTGGCGGTGTGACAGCTTCAGCCGCCCTCACCAGGGTTCACCTTCTC 120
Db      1557 CTTGTCCCAAGTGTGGCGGTGTGACAGCTTCAGCCGCCCTCACCAGGGTTCACCTTCTC 1616

QY      121 AGCCCTGCGAGTCTGCTCCCTACACACTGGCTCCCTCTACCAACCGGGGAGACAGGTGTT 180
Db      1617 AGCCCTGCGAGTCTGCTCCCTACACACTGGCTCCCTCTACCAACCGGGGAGACAGGTGTT 1676

QY      181 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCTGATGACCCAG 240
Db      1677 CTGCCCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGGAGCAGCCTGATGACCCAG 1736

QY      241 CTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTGGGTGCTGGAGG 300
Db      1737 CTTCTGCGCAGGCCCTTAAGCCTGGAGCTCCCTTCCCTTAATGGACACGTGGGTGCTGGAGG 1796

QY      301 CAGTGGCTGTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
Db      1797 CAGTGGCTGTGCTCCCACTCCACCGCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 1856

QY      361 ACGT 364
Db      1857 ACGT 1860

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RESULT 12
US-09-841-894-15
; Sequence 15, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPLITS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLASS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park

```

STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 2143 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-841-894-15

Query Match 100.0%; Score 364; DB 9; Length 2143;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 60
DB 149 CACTCGAGCAGTCTATTGGCCAGTGTGGCAGCTTTCCCTGTGGCTGCCGGTGCCACATG 208
QY 61 CTGTGCCACAGTGTGGCGGTGGTGACAGCTTCAGCGCCCTCAGCGGGTTACCTTCTC 120
DB 209 CTGTGCCACAGTGTGGCGGTGGTGACAGCTTCAGCGCCCTCAGCGGGTTACCTTCTC 268
QY 121 AGCCCTGCAGATCTCGCCCTCACACTGSCCTCCCTTACCACTCCCGGGAGACAGGTGT 180
DB 269 AGCCCTGCAGATCTCGCCCTCACACTGSCCTCCCTTACCACTCCCGGGAGACAGGTGT 328
QY 181 CTGTGCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTTGATGACCAG 240
DB 329 CTGTGCCAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGAGGACAGCTTGATGACCAG 388
QY 241 CTTCCTGCAGGCCCTTAAGCTTGGAGCTCCCTTCCCTTAATGACACAGTGGGTGCTGGAGG 300
DB 389 CTTCCTGCAGGCCCTTAAGCTTGGAGCTCCCTTCCCTTAATGACACAGTGGGTGCTGGAGG 448
QY 301 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
DB 449 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 508
QY 361 ACGT 364
DB 509 ACGT 512

RESULT 13
US-09-841-894-16
Sequence 16, Application US/09841894
Publication No. US2002086301A1
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.

FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2152 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-841-894-16

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Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 397 CTTCCTGCAGGCCCTTAAGCTTGGAGCTCCCTTCCCTTAATGACACAGTGGGTGCTGGAGG 456
QY 301 CAGTGGCTGTCTCCACCTCCACCCCGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
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QY      361 ACGT 364
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; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hezezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 901
; LENGTH: 2582
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(2582)
; OTHER INFORMATION: n = g, a, c or t
US-10-295-027-901

Query Match      100.0%; Score 364; DB 17; Length 2582;
Best Local Similarity 100.0%; Pred. No. 1.9e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1419  CTGTGTCACAGTGTGGCGGTGTGACAGCTTCAGCGGCCCTCAGCGGTTTCCCTTCTC 1478

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Db      1085    CCTGCCCAAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACAGCCTGATGACCAG 1144

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; Sequence 703, Application US/09759143
; Patent No. US20020022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match      100.0%; Score 364; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 1.9e-98;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      181     CCTGCCCAAAATACCGAGGGGACACTGGAGGTGCTAGCAGTGTAGGACAGCCTGATGACCAG 240
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QY      301  CAGTGGCCTGCTCCACCTCCACCCCGGCTCTGCGGGGCTCTGCTGTGATGTCTCCGT 360
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QY      361  ACGT 364
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 15, 2005, 21:55:13 ; Search time 72.9057 seconds
(without alignments)
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Title: US-09-605-783A-110_COPY_1390_1417

Perfect score: 28

Sequence: 1 atgcctgtccacacagtggcggtg 28

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 150 summaries

Database : Issued Patents NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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 c 150 17 60.7 4496 4 US-09-949-016-2348

ALIGNMENTS

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 ; Patent No. 6130043
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: GORDON, JULIAN
 ; APPLICANT: GRANADOS, EDWARD N.
 ; APPLICANT: HODGES, STEVEN C.
 ; APPLICANT: KASS, MICHAEL R.
 ; APPLICANT: KRATOCHVIL, JON D.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
 ; NUMBER OF SEQUENCES: 41
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park
 ; STATE: IL
 ; COUNTRY: USA
 ; ZIP: 60064-3500
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/071,710
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/850,713
 ; FILING DATE: 02-MAY-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Becker, Cheryl L.
 ; REGISTRATION NUMBER: 35,441
 ; REFERENCE/DOCKET NUMBER: 6083.US.P1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 847/935-1729
 ; TELEFAX: 847/938-2623
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 258 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-09-071-710-1
 Query Match 100.0%; Score 28; DB 3; Length 258;
 Best Local Similarity 100.0%; Pred. No. 0.0047;
 Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTGTCCACAGTGTGCCGTGGTG 28
 Db 214 ATGCTGTCCACAGTGTGCCGTGGTG 241
 RESULT 2
 US-09-525-397-1
 ; Sequence 1, Application US/09525397
 ; Patent No. 6252047
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: GORDON, JULIAN
 ; APPLICANT: GRANADOS, EDWARD N.
 ; APPLICANT: HODGES, STEVEN C.
 ; APPLICANT: KASS, MICHAEL R.
 ; APPLICANT: KRATOCHVIL, JON D.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 ; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
 ; NUMBER OF SEQUENCES: 41
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park
 ; STATE: IL
 ; COUNTRY: USA
 ; ZIP: 60064-3500

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525.397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071.710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-525-397-1

Query Match 100.0%; Score 28; DB 3; Length 258;
Best Local Similarity 100.0%; Pred. No. 0.0047;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
Db 214 ATGCCTGTCCACAGTGTGCCGTGGTG 241

RESULT 3
US-09-020-956-10
; Sequence 10, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020.956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
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;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
;
US-09-020-956-10

Query Match 100.0%; Score 28; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
Db 50 ATGCCTGTCCACAGTGTGCCGTGGTG 77

RESULT 4
US-09-030-607-10
; Sequence 10, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030.607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
;
US-09-030-607-10

Query Match 100.0%; Score 28; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
Db 50 ATGCCTGTCCACAGTGTGCCGTGGTG 77

RESULT 5
US-09-439-313-10
; Sequence 10, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020.956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
```

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/ APPLICANT: Jiang Yuqui
/ APPLICANT: Reed, Steven G.
/ APPLICANT: Kalos, Michael
/ APPLICANT: Fanger, Gary
/ APPLICANT: Retter, Mark
/ APPLICANT: Solk, John
/ APPLICANT: Day, Craig
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
/ TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.427C9
/ CURRENT APPLICATION NUMBER: US/09/439,313
/ CURRENT FILING DATE: 1999-11-12
/ NUMBER OF SEQ ID NOS: 575
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 10
/ LENGTH: 789
/ TYPE: DNA
/ ORGANISM: Homo sapien
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(789)
/ OTHER INFORMATION: n = A,T,C or G
US-09-439-313-10

Query Match      100.0%; Score 28; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTG 77

RESULT 6
US-09-352-616A-10
/ Sequence 10, Application US/09352616A
/ Patent No. 6395278
/ GENERAL INFORMATION:
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Harlocker, Susan Louise
/ APPLICANT: Jiang, Yuqui
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Mitcham, Jennifer Lynn
/ TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
/ TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
/ FILE REFERENCE: 210121.427C8
/ CURRENT APPLICATION NUMBER: US/09/352,616A
/ CURRENT FILING DATE: 1999-07-13
/ NUMBER OF SEQ ID NOS: 472
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 10
/ LENGTH: 789
/ TYPE: DNA
/ ORGANISM: Homo sapien
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(789)
/ OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-10

Query Match      100.0%; Score 28; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTG 77

RESULT 7
US-09-232-149A-10
/ Sequence 10, Application US/09232149A
/ Patent No. 6465611
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/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer Lynn
/ TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
/ TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
/ FILE REFERENCE: 210121.427C6
/ CURRENT APPLICATION NUMBER: US/09/232,149A
/ CURRENT FILING DATE: 1999-01-15
/ NUMBER OF SEQ ID NOS: 338
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 10
/ LENGTH: 789
/ TYPE: DNA
/ ORGANISM: Homo sapien
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(789)
/ OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-10

Query Match      100.0%; Score 28; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTG 77

RESULT 8
US-09-159-812-10
/ Sequence 10, Application US/09159812A
/ Patent No. 6613872
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun C.
/ APPLICANT: Dillon, Davin C.
/ TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
/ TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
/ FILE REFERENCE: 210121.428C5
/ CURRENT APPLICATION NUMBER: US/09/159,812A
/ CURRENT FILING DATE: 1998-09-23
/ NUMBER OF SEQ ID NOS: 306
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 10
/ LENGTH: 789
/ TYPE: DNA
/ ORGANISM: Homo sapien
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(789)
/ OTHER INFORMATION: n = A,T,C or G
US-09-159-812-10

Query Match      100.0%; Score 28; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTG 77

RESULT 9
US-09-636-215-10
/ Sequence 10, Application US/09636215
/ Patent No. 6620922
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yuqui
```

; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-636-215-10

Query Match 100.0%; Score 28; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGCCGTGGTG 77

RESULT 10
US-09-685-166A-10
; Sequence 10, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc_feature

; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-685-166A-10
Query Match 100.0%; Score 28; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGCCGTGGTG 77
RESULT 11
US-09-115-453-10
; Sequence 10, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115.453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-115-453-10

Query Match 100.0%; Score 28; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGCCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGCCGTGGTG 77

RESULT 12
US-09-688-489-10
; Sequence 10, Application US/09688489
; Patent No. 6664377
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427D2
; CURRENT APPLICATION NUMBER: US/09/688.489
; CURRENT FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-688-489-10
Query Match 100.0%; Score 28; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0055;

Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGGCGTGGTG 77

RESULT 13

US-09-679-426-10
; Sequence 10, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 10

; LENGTH: 789

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(789)

; OTHER INFORMATION: n = A,T,C or G

US-09-679-426-10

Query Match 100.0%; Score 28; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.0055;

Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGGCGTGGTG 77

RESULT 14

US-09-759-143-10

; Sequence 10, Application US/09759143

; Patent No. 6800746

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-759-143-10

Query Match 100.0%; Score 28; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.0055;

Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 50 ATGCCTGTCCACAGTGTGGCGTGGTG 77

RESULT 15

US-09-651-236-10

; Sequence 10, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 10

; LENGTH: 789

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(789)

; OTHER INFORMATION: n = A,T,C or G

US-09-651-236-10

Query Match 100.0%; Score 28; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.0055;

Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db 50 ATGCTGTCCACAGTGTGGCCGTGGTG 77

RESULT 16

US-09-071-710-15
; Sequence 15, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2143 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-15

Query Match 100.0%; Score 28; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 0.0063;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db 206 ATGCTGTCCACAGTGTGGCCGTGGTG 233

RESULT 17

US-09-525-397-15
; Sequence 15, Application US/09525397
; Patent No. 6252047

; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2143 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-525-397-15

Query Match 100.0%; Score 28; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 0.0063;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db 206 ATGCTGTCCACAGTGTGGCCGTGGTG 233

RESULT 18

US-09-071-710-16
; Sequence 16, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAS, MICHAEL R.

APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,710
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,713
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2152 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-710-16

Query Match 100.0%; Score 28; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 0.0063;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
DB 214 ATGCCTGTCCACAGTGTGGCGGTG 241

RESULT 19
US-09-525-397-16
Sequence 16, Application US/09525397
Patent No. 6252047
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLASS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/525,397
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2152 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-525-397-16

Query Match 100.0%; Score 28; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 0.0063;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGCCTGTCCACAGTGTGGCGGTG 28
DB 214 ATGCCTGTCCACAGTGTGGCGGTG 241

RESULT 20
US-09-636-215-703
Sequence 703, Application US/09636215
Patent No. 6620922
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.42717C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 852
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 703
LENGTH: 2904

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-703

Query Match      100.0%; Score 28; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGCCGTGGTG 28
Db      962 ATGCTGTCCACAGTGTGCCGTGGTG 989

RESULT 21
US-09-685-166A-703
; Sequence 703, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-703

Query Match      100.0%; Score 28; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGCCGTGGTG 28
Db      962 ATGCTGTCCACAGTGTGCCGTGGTG 989

RESULT 22
US-09-679-426-703
; Sequence 703, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
```

```
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679.426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-703

Query Match      100.0%; Score 28; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGCCGTGGTG 28
Db      962 ATGCTGTCCACAGTGTGCCGTGGTG 989

RESULT 23
US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759.143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match      100.0%; Score 28; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGCCGTGGTG 28
Db      962 ATGCTGTCCACAGTGTGCCGTGGTG 989

RESULT 24
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US-09-651-236-703
; Sequence 703, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-703

Query Match 100.0%; Score 28; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 962 ATGCTGTCCACAGTGTGGCGTGGTG 989

RESULT 25
US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-020-956-110

Query Match 100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 1390 ATGCTGTCCACAGTGTGGCGTGGTG 1417

RESULT 26

US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-607-110

Query Match 100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
|||||
Db 1390 ATGCTGTCCACAGTGTGGCGTGGTG 1417

```
RESULT 27
US-09-439-313-110
; Sequence 110, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-110

Query Match      100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db      1390 ATGCTGTCCACAGTGTGGCCGTGGTG 1417

RESULT 28
US-09-352-616A-110
; Sequence 110, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110

Query Match      100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db      1390 ATGCTGTCCACAGTGTGGCCGTGGTG 1417

RESULT 29
US-09-602-877A-100
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```
; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100
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Query Match      100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db      1390 ATGCTGTCCACAGTGTGGCCGTGGTG 1417
```

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RESULT 30
US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110
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Query Match      100.0%; Score 28; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCCGTGGTG 28
Db      1390 ATGCTGTCCACAGTGTGGCCGTGGTG 1417
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Job time : 77.9057 secs

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OM nucleic - nucleic search, using sw model

Run on: June 16, 2005, 02:02:03 ; Search time 260.453 Seconds
(without alignment)
666.430 Million cell updates/sec

Title: US-09-605-783A-110_COPY_1390_1417
Perfect score: 28
Sequence: 1 atgctgtccacagtggtggtggtg 28

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 6046767 seqs, 3099530249 residues

Total number of hits satisfying chosen parameters: 12093534

Minimum DB seq length: 0
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Maximum Match 100%
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Database : Published Applications NA:
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4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:
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22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:
24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:
25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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5	28	100.0	789 9 US-09-780-669-10
6	28	100.0	789 9 US-09-030-606-10
7	28	100.0	789 9 US-09-822-827-10

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9	28	100.0	789 9 US-09-232-880-10	Sequence 10, Appl
10	28	100.0	789 9 US-09-895-793-10	Sequence 10, Appl
11	28	100.0	789 9 US-09-895-814-10	Sequence 10, Appl
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19	28	100.0	1065 13 US-10-012-896-1010	Sequence 1010, Ap
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21	28	100.0	1065 16 US-10-294-025-1010	Sequence 1010, Ap
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123 18.6 66.4 449 21 US-10-914-037-420 Sequence 420, App
124 18.6 66.4 613 19 US-10-767-701-29652 Sequence 29652, A
125 18.6 66.4 5871 14 US-10-152-886-24 Sequence 24, Appl
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149 18 64.3 300 9 US-09-867-701-3455 Sequence 3455, Ap
150 18 64.3 301 14 US-10-198-846-13239 Sequence 13239, A

ALIGNMENTS

RESULT 1
US-09-841-894-1
; Sequence 1, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLASS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 258 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-841-894-1
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Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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|||||
Db 214 ATGCCTCTCCACAGTGTGCGCGTGGTG 241
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US-10-144-678A-1026
; Sequence 1026, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William T.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Carlota
APPLICANT: Vinals y de Bassols
APPLICANT: Foy, Teresa M.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Deng, Ta
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C28
CURRENT APPLICATION NUMBER: US/10/144,678A
CURRENT FILING DATE: 2002-08-12
NUMBER OF SEQ ID NOS: 1033
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1026
LENGTH: 741
TYPE: DNA
ORGANISM: Homo sapiens
US-10-144-678A-1026

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Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 186 ATGCTGTCCACAGTGTGCCGTGGTG 213

RESULT 3
US-10-294-025-1026
Sequence 1026, Application US/10294025
Publication No. US20030185830A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C29
CURRENT APPLICATION NUMBER: US/10/294,025
CURRENT FILING DATE: 2002-11-12
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1026
LENGTH: 741
TYPE: DNA
ORGANISM: Homo sapiens
US-10-294-025-1026

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Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 186 ATGCTGTCCACAGTGTGCCGTGGTG 213

RESULT 4
US-09-759-143-10
Sequence 10, Application US/09759143
Patent No. US2002022248A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 10
LENGTH: 789
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(789)
OTHER INFORMATION: n = A,T,C or G
US-09-759-143-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGCCGTGGTG 28
Db 50 ATGCTGTCCACAGTGTGCCGTGGTG 77

RESULT 5
US-09-780-669-10
Sequence 10, Application US/09780669
Patent No. US20020051977A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-780-669-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 6
US-09-030-606-10
; Sequence 10, Application US/09030606
; Patent No. US20020081580A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESS: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,606
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.428C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-030-606-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 7
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; Sequence 10, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-822-827-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 8
US-09-115-453-10
; Sequence 10, Application US/09115453B
; Patent No. US20020090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-115-453-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 9
US-09-232-880-10
; Sequence 10, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:

```

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232.880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-880-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
|||||
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 10

US-09-895-793-10
; Sequence 10, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895.793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-895-793-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
|||||
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 11

US-09-895-814-10
; Sequence 10, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895.814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-895-814-10

Query Match 100.0%; Score 28; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTGTCCACAGTGTGGCGGTG 28
|||||
Db 50 ATGCTGTCCACAGTGTGGCGGTG 77

RESULT 12

US-10-012-896-10
; Sequence 10, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.

```
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-012-896-10

Query Match      100.0%; Score 28; DB 13; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGGTGGT 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTGGT 77

RESULT 13
US-10-010-940-10
; Sequence 10, Application US/10010940
; Publication No. US2003008062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010,940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
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; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-10-010-940-10

Query Match      100.0%; Score 28; DB 14; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGGTGGT 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTGGT 77

RESULT 14
US-10-144-678A-10
; Sequence 10, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-144-678A-10

Query Match      100.0%; Score 28; DB 16; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCCTGTCCACAGTGTGGCGGTGGT 28
Db 50 ATGCCTGTCCACAGTGTGGCGGTGGT 77

RESULT 15
US-10-234-025-10
; Sequence 10, Application US/10294025
```

```
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-294-025-10

Query Match      100.0%; Score 28; DB 16; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCGCTGTCCACAGTGTGGCCGTGGTG 28
    ||||||||||||||||||||||||||||
Db 50 ATGCGCTGTCCACAGTGTGGCCGTGGTG 77

RESULT 16
US-10-688-838-10
; Sequence 10, Application US/10688838
; Publication No. US20040141989A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427D4
; CURRENT APPLICATION NUMBER: US/10/688,838
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-688-838-10

Query Match      100.0%; Score 28; DB 19; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCGCTGTCCACAGTGTGGCCGTGGTG 28
    ||||||||||||||||||||||||||||
Db 50 ATGCGCTGTCCACAGTGTGGCCGTGGTG 77

RESULT 17
US-10-144-678A-1027
; Sequence 1027, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
```

```
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, AiJun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1027
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-1027

Query Match      100.0%; Score 28; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCGTGTCCACAGTGTGGCCGTGGTG 28
    ||||||||||||||||||||||||||||
Db 363 ATGCGTGTCCACAGTGTGGCCGTGGTG 390

RESULT 18
US-10-294-025-1027
; Sequence 1027, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1027
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-1027

Query Match      100.0%; Score 28; DB 16; Length 918;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCGTGTCCACAGTGTGGCCGTGGTG 28
    ||||||||||||||||||||||||||||
Db 363 ATGCGTGTCCACAGTGTGGCCGTGGTG 390
```



```

RESULT 19
US-10-012-896-1010
; Sequence 1010, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuchu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Mantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1010
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-1010

Query Match      100.0%; Score 28; DB 13; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCGGTG 28
Db      561 ATGCTGTCCACAGTGTGGCGGTG 588

RESULT 20
US-10-144-678A-1010
; Sequence 1010, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuchu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.

```

```

; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1010
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-1010

Query Match      100.0%; Score 28; DB 16; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCGGTG 28
Db      561 ATGCTGTCCACAGTGTGGCGGTG 588

RESULT 21
US-10-294-025-1010
; Sequence 1010, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1010
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-1010

Query Match      100.0%; Score 28; DB 16; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 ATGCTGTCCACAGTGTGGCGGTG 28
Db      561 ATGCTGTCCACAGTGTGGCGGTG 588

RESULT 22
US-10-005-907-12
; Sequence 12, Application US/10005907
; Publication No. US20030166881A1
; GENERAL INFORMATION:
; APPLICANT: Union Chimique Belge, S.A.
; APPLICANT: No. US20030166881A1ka, Karl
; APPLICANT: Pirozzi, Gregory
; APPLICANT: Einstein, Richard
; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CE
; FILE REFERENCE: 053529-5005
; CURRENT APPLICATION NUMBER: US/10/005,907

```

; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match 100.0%; Score 28; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
Db 1107 ATGCTGTCCACAGTGTGGCGTGGTG 1134

RESULT 23

US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547

Query Match 100.0%; Score 28; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0.0058;

Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
Db 1107 ATGCTGTCCACAGTGTGGCGTGGTG 1134

RESULT 24

US-10-403-142-1
; Sequence 1, Application US/10403142
; Publication No. US20040162236A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-573A
; CURRENT APPLICATION NUMBER: US/10/403,142
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 08/969106
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 09/544511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/369065
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/604286
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/651200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 09/662783
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 09/688598
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 09/894159
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: 09/918779
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 09/964956
; PRIOR FILING DATE: 2001-09-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 242
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 1
; LENGTH: 1702
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21)..(1679)
US-10-403-142-1

Query Match 100.0%; Score 28; DB 19; Length 1702;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
Db 1127 ATGCTGTCCACAGTGTGGCGTGGTG 1154

RESULT 25

US-10-296-770-3
; Sequence 3, Application US/10296770
; Publication No. US20030104570A1
; GENERAL INFORMATION:
; APPLICANT: Cabezon Silva, Teresa Elisa Virginia
; APPLICANT: Delisse, Anne-Marie Eva Fernande
; TITLE OF INVENTION: Triple Fusion Proteins Comprising
; TITLE OF INVENTION: Ubiquitin Fused Between Thioredoxin and a Polypeptide of
; TITLE OF INVENTION: Interest
; FILE REFERENCE: B45221
; CURRENT APPLICATION NUMBER: US/10/296,770
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: PCT/EP01/06952
; PRIOR FILING DATE: 2001-06-19

; PRIOR APPLICATION NUMBER: GB 0015619.0
 ; PRIOR FILING DATE: 2000-06-26
 ; PRIOR APPLICATION NUMBER: GB 0026484.6
 ; PRIOR FILING DATE: 2000-10-30
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 2133
 ; TYPE: DNA
 ; ORGANISM: Chimaeric (E. coli - human)
 US-10-296-770-3

Query Match 100.0%; Score 28; DB 15; Length 2133;
 Best Local Similarity 100.0%; Pred. No. 0.0057;
 Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
 Db 1554 ATGCTGTCCACAGTGTGGCGTGGTG 1581

RESULT 26

US-09-841-894-15
 ; Sequence 15, Application US/09841894
 ; Publication No. US20020086301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA
 ; COHEN, MAURICE
 ; COLPITTS, TRACEY L.
 ; FRIEDMAN, PAULA N.
 ; GORDON, JULIAN
 ; GRANADOS, EDWARD N.
 ; HODGES, STEVEN C.
 ; KLAS, MICHAEL R.
 ; KRATOCHVIL, JON D.
 ; ROBERTS-RAPP, LISA
 ; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 ; FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/841,894
 FILING DATE: 25-Apr-2001
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 09/071,710

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 6083.US.P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
 LENGTH: 2143 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-09-841-894-15

Query Match 100.0%; Score 28; DB 9; Length 2143;
 Best Local Similarity 100.0%; Pred. No. 0.0057;
 Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
 Db 206 ATGCTGTCCACAGTGTGGCGTGGTG 233

RESULT 27

US-09-841-894-16
 ; Sequence 16, Application US/09841894
 ; Publication No. US20020086301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA
 ; COHEN, MAURICE
 ; COLPITTS, TRACEY L.
 ; FRIEDMAN, PAULA N.
 ; GORDON, JULIAN
 ; GRANADOS, EDWARD N.
 ; HODGES, STEVEN C.
 ; KLAS, MICHAEL R.
 ; KRATOCHVIL, JON D.
 ; ROBERTS-RAPP, LISA
 ; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 ; FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/841,894
 FILING DATE: 25-Apr-2001
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/071,710
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 6083.US.P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
 LENGTH: 2152 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-09-841-894-16

Query Match 100.0%; Score 28; DB 9; Length 2152;
 Best Local Similarity 100.0%; Pred. No. 0.0057;
 Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
 Db 214 ATGCTGTCCACAGTGTGGCGTGGTG 241

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RESULT 28
US-10-295-027-901
; Sequence 901, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Dantel
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glyne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 901
; LENGTH: 2582
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: modified base
; LOCATION: (1)..(2582)
; OTHER INFORMATION: n = g, a, c or t
US-10-295-027-901

Query Match 100.0%; Score 28; DB 17; Length 2582;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGCGCGTGGTG 28
Db 1416 ATGCTGTCCACAGTGTGCGCGTGGTG 1443

RESULT 29
US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Houghton, Raymond L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match 100.0%; Score 28; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-703

Query Match 100.0%; Score 28; DB 9; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGCGCGTGGTG 28
Db 962 ATGCTGTCCACAGTGTGCGCGTGGTG 989

RESULT 30
US-09-780-669-703
; Sequence 703, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Houghton, Raymond L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-703

Query Match 100.0%; Score 28; DB 9; Length 2904;
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Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTGTCCACAGTGTGGCGTGGTG 28
|||
Db 962 ATGCTGTCCACAGTGTGGCGTGGTG 989

Search completed: June 16, 2005, 04:01:51
Job time : 439.453 secs

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c 102 17 68.0 30922 4 US-09-949-016-15700
c 103 17 68.0 36317 4 US-09-949-016-12697
c 104 17 68.0 36322 4 US-09-949-016-14047
c 105 17 68.0 42894 4 US-09-949-016-12301
c 106 17 68.0 42898 4 US-09-949-016-15904
c 107 17 68.0 51928 4 US-09-949-016-13184
c 108 17 68.0 68580 4 US-09-949-016-15844
c 109 17 68.0 78720 4 US-09-949-016-12710
c 110 17 68.0 78720 4 US-09-949-016-17283
c 111 17 68.0 105733 4 US-09-949-016-13080
c 112 17 68.0 373182 4 US-09-949-016-17371
c 113 17 68.0 373694 4 US-09-949-016-12062
c 114 16.8 67.2 55 1 US-07-609-716-81
c 115 16.8 67.2 55 3 US-08-475-411A-81
c 116 16.8 67.2 55 3 US-08-478-029A-81
c 117 16.8 67.2 63 1 US-07-609-716-80
c 118 16.8 67.2 63 3 US-08-475-411A-80
c 119 16.8 67.2 63 3 US-08-478-029A-80
c 120 16.8 67.2 175 1 US-07-609-716-82
c 121 16.8 67.2 175 3 US-08-475-411A-82
c 122 16.8 67.2 175 3 US-08-478-029A-82
c 123 16.8 67.2 199 4 US-09-621-976-17273
c 124 16.8 67.2 444 3 US-09-132-316-57
c 125 16.8 67.2 601 4 US-09-949-016-17771
c 126 16.8 67.2 6063 4 US-09-949-016-11666
c 127 16.8 67.2 46343 4 US-09-949-016-16824
c 128 16.8 66.4 63 4 US-09-513-998C-22270
c 129 16.6 66.4 198 4 US-09-513-998C-26910
c 130 16.6 66.4 394 4 US-09-621-976-1749
c 131 16.6 66.4 543 4 US-09-270-767-4523
c 132 16.6 66.4 543 4 US-09-270-767-19805
c 133 16.6 66.4 598 3 US-09-370-838-273
c 134 16.6 66.4 598 4 US-09-854-133-273
c 135 16.6 66.4 601 4 US-09-949-016-112540
c 136 16.6 66.4 601 4 US-09-949-016-176939
c 137 16.6 66.4 900 4 US-09-949-016-3102
c 138 16.6 66.4 1041 4 US-09-602-777A-407
c 139 16.6 66.4 1194 4 US-09-489-039A-5039
c 140 16.6 66.4 1746 4 US-09-902-540-2585
c 141 16.6 66.4 2709 4 US-09-902-540-2727
c 142 16.6 66.4 5184 4 US-09-845-583A-9
c 143 16.6 66.4 5184 4 US-09-561-709B-4
c 144 16.6 66.4 5247 4 US-09-949-016-14844
c 145 16.6 66.4 11133 4 US-09-949-016-16567
c 146 16.6 66.4 14342 4 US-09-902-540-1118
c 147 16.6 66.4 15559 4 US-09-902-540-1128
c 148 16.6 66.4 26257 4 US-09-949-016-16791
c 149 16.6 66.4 33230 4 US-09-949-016-16732
c 150 16.6 66.4 40123 4 US-08-311-731A-137

ALIGNMENTS

RESULT 1
US-09-071-710-1
; Sequence 1, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: KLAS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-071-710-1
Query Match 100.0%; Score 25; DB 3; Length 258;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGCGTGTGACAGCTTCAGCCGCC 25
|||||
Db 232 GCGCGTGTGACAGCTTCAGCCGCC 256
|||||
RESULT 2
US-09-525-397-1
; Sequence 1, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500


```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525.397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071.710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-525-397-1

Query Match 100.0%; Score 25; DB 3; Length 258;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 232 GGCCGTGGTGACAGCTTCAGCGGCC 256

RESULT 3
US-09-020-956-10
; Sequence 10, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020.956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
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;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-09-020-956-10

Query Match 100.0%; Score 25; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 4
US-09-030-607-10
; Sequence 10, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030.607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-09-030-607-10

Query Match 100.0%; Score 25; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 5
US-09-439-313-10
; Sequence 10, Application US/09439313
; Patent No. 632505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
```

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; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)..(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-439-313-10

Query Match 100.0%; Score 25; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 6
US-09-352-616A-10
; Sequence 10, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)..(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-10

Query Match 100.0%; Score 25; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 7
US-09-232-149A-10
; Sequence 10, Application US/09232149A
; Patent No. 6465611
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)..(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-10

Query Match 100.0%; Score 25; DB 3; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 8
US-09-159-812-10
; Sequence 10, Application US/09159812A
; Patent No. 6613872
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
; FILE REFERENCE: 210121.428C5
; CURRENT APPLICATION NUMBER: US/09/159,812A
; CURRENT FILING DATE: 1998-09-23
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (1)..(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-159-812-10

Query Match 100.0%; Score 25; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 9
US-09-636-215-10
; Sequence 10, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
```

```
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-636-215-10

Query Match      100.0%; Score 25; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 10
US-09-685-166A-10
; Sequence 10, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc_feature
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; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-685-166A-10

Query Match      100.0%; Score 25; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 11
US-09-115-453-10
; Sequence 10, Application US/09115453B
; Patent No. 6657056
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-115-453-10

Query Match      100.0%; Score 25; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 12
US-09-688-489-10
; Sequence 10, Application US/09688489
; Patent No. 6664377
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427D2
; CURRENT APPLICATION NUMBER: US/09/688,489
; CURRENT FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-688-489-10

Query Match      100.0%; Score 25; DB 4; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.14;
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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 13

US-09-679-426-10
; Sequence 10, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 10

; LENGTH: 789

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(789)

; OTHER INFORMATION: n = A,T,C or G

US-09-679-426-10

Query Match 100.0%; Score 25; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.14;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 14

US-09-759-143-10

; Sequence 10, Application US/09759143

; Patent No. 6800746

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G

US-09-759-143-10

Query Match 100.0%; Score 25; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.14;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCCGTGGTGACAGCTTCAGCGGCC 92

RESULT 15

US-09-651-236-10

; Sequence 10, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 10

; LENGTH: 789

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(789)

; OTHER INFORMATION: n = A,T,C or G

US-09-651-236-10

Query Match 100.0%; Score 25; DB 4; Length 789;

Best Local Similarity 100.0%; Pred. No. 0.14;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGTGGTGACAGCTTCAGCGCC 25
Db 68 GGCGTGGTGACAGCTTCAGCGCC 92

RESULT 16

US-09-071-710-15
; Sequence 15, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2143 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

Query Match 100.0%; Score 25; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGTGGTGACAGCTTCAGCGCC 25
Db 224 GGCGTGGTGACAGCTTCAGCGCC 248

RESULT 17

US-09-525-397-15
; Sequence 15, Application US/09525397
; Patent No. 6252047

; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2143 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-09-525-397-15
Query Match 100.0%; Score 25; DB 3; Length 2143;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGTGGTGACAGCTTCAGCGCC 25
Db 224 GGCGTGGTGACAGCTTCAGCGCC 248

RESULT 18

US-09-071-710-16
; Sequence 16, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.

```

; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2152 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-071-710-16

Query Match 100.0%; Score 25; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 232 GCGCGTGGTGACAGCTTCAGCGGCC 256

RESULT 19
US-09-525-397-16
; Sequence 16, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: HODGES, EDWARD N.
; APPLICANT: KLOSS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories

```

```

; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2152 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-525-397-16

Query Match 100.0%; Score 25; DB 3; Length 2152;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 232 GCGCGTGGTGACAGCTTCAGCGGCC 256

RESULT 20
US-09-636-215-703
; Sequence 703, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904

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RESULT 24

US-09-651-236-703
; Sequence 703, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-703

Query Match 100.0%; Score 25; DB 4; Length 2904;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
|||||
Db 980 GGCCGTGGTGACAGCTTCAGCGGCC 1004

RESULT 25
US-09-020-956-110
; Sequence 110, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-020-956-110

Query Match 100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
|||||
Db 1408 GGCCGTGGTGACAGCTTCAGCGGCC 1432

RESULT 26
US-09-030-607-110
; Sequence 110, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 110:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3410 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-030-607-110

Query Match 100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCGGCC 25
|||||
Db 1408 GGCCGTGGTGACAGCTTCAGCGGCC 1432

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RESULT 27
US-09-439-313-110
; Sequence 110, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-110

Query Match      100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1408 GCGCGTGGTGACAGCTTCAGCGGCC 1432

RESULT 28
US-09-352-616A-110
; Sequence 110, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-110

Query Match      100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1408 GCGCGTGGTGACAGCTTCAGCGGCC 1432

RESULT 29
US-09-602-877A-100
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; Sequence 100, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 100
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-100
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Query Match      100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1408 GCGCGTGGTGACAGCTTCAGCGGCC 1432
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RESULT 30
US-09-232-149A-110
; Sequence 110, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 3410
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-110
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Query Match      100.0%; Score 25; DB 3; Length 3410;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1408 GCGCGTGGTGACAGCTTCAGCGGCC 1432
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Job time : 68.0943 secs

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Sequence 1, Appli
Sequence 5713, Ap
Sequence 17817, A
Sequence 5684, Ap
Sequence 17734, A
Sequence 67085, A
Sequence 9514, Ap
Sequence 48208, A
Sequence 44570, A
Sequence 44566, A
Sequence 9521, Ap
Sequence 1392, Ap
Sequence 9510, Ap
Sequence 44558, A
Sequence 44568, A
Sequence 44559, A
Sequence 19143, A
Sequence 47666, A
Sequence 3, Appli
Sequence 871, Appl
Sequence 32310, A
Sequence 139668, A
Sequence 78535, A
Sequence 11450, A
Sequence 39433, A
Sequence 11459, A
Sequence 109475, A
Sequence 31, Appl
Sequence 3847, Ap
Sequence 3848, Ap
Sequence 33025, A
Sequence 5443, Ap
Sequence 1750, Ap
Sequence 64460, A
Sequence 7167, Ap
Sequence 13360, A
Sequence 116667, A
Sequence 21, Appl
Sequence 100800, A
Sequence 23340, A
Sequence 11, Appl
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Sequence 3470, Ap
Sequence 109, App
Sequence 27124, A
Sequence 3, Appli
Sequence 628, App
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Sequence 2, Appli
Sequence 32, Appl
Sequence 41, Appl
Sequence 1, Appli
Sequence 1, Appli
Sequence 9083, Ap
Sequence 190, App
Sequence 4457, Ap
Sequence 170536, A
Sequence 6817, Ap
Sequence 65051, A
Sequence 807, App
Sequence 21653, A
Sequence 46754, A
Sequence 33926, A
Sequence 97198, A
Sequence 98776, A
Sequence 98776, A

ALIGNMENTS

RESULT 1

US-09-841-894-1
; Sequence 1, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLASS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/841,894
; FILING DATE: 25-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-841-894-1

Query Match 100.0%; Score 25; DB 9; Length 258;
Best Local Similarity 100.0%; Pred.No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGTGGTACAGCTTCAGCGCC 25
Db 232 GGCGGTGGTACAGCTTCAGCGCC 256

RESULT 2

US-10-144-678A-1026
; Sequence 1026, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William T.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals y de Bassols, Carlota
APPLICANT: Foy, Teresa M.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Deng, Ta
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C28
CURRENT APPLICATION NUMBER: US/10/144.678A
CURRENT FILING DATE: 2002-08-12
NUMBER OF SEQ ID NOS: 1033
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1026
LENGTH: 741
TYPE: DNA
ORGANISM: Homo sapiens
US-10-144-678A-1026

Query Match 100.0%; Score 25; DB 16; Length 741;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCGGTGGTACAGCTTCAGCGGCC 25
Db 204 GGCGGTGGTACAGCTTCAGCGGCC 228

RESULT 3
US-10-294-025-1026
Sequence 1026, Application US/10294025
Publication No. US20030185830A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Kalos, Michael D.
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C29
CURRENT APPLICATION NUMBER: US/10/294.025
CURRENT FILING DATE: 2002-11-12
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1026
LENGTH: 741
TYPE: DNA
ORGANISM: Homo sapiens
US-10-294-025-1026

Query Match 100.0%; Score 25; DB 16; Length 741;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCGGTGGTACAGCTTCAGCGGCC 25
Db 204 GGCGGTGGTACAGCTTCAGCGGCC 228

RESULT 4
US-09-759-143-10
Sequence 10, Application US/09759143
Patent No. US2002002248A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 10
LENGTH: 789
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(789)
OTHER INFORMATION: n = A,T,C or G
US-09-759-143-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCGGTGGTACAGCTTCAGCGGCC 25
Db 68 GGCGGTGGTACAGCTTCAGCGGCC 92

RESULT 5
US-09-780-669-10
Sequence 10, Application US/09780669
Patent No. US20020051977A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-780-669-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCGGCC 92

RESULT 6
US-09-030-606-10
; Sequence 10, Application US/09030606
; Patent No. US20020081580A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,606
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.428C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 789 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-030-606-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCGGCC 92

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-780-669-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCGGCC 92

RESULT 7
US-09-822-827-10
; Sequence 10, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-822-827-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCGGCC 92

RESULT 8
US-09-115-453-10
; Sequence 10, Application US/09115453B
; Patent No. US20020090372A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
; TITLE OF INVENTION: METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C4
; CURRENT APPLICATION NUMBER: US/09/115,453B
; CURRENT FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-115-453-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 68 GCGCGTGGTGACAGCTTCAGCGGCC 92

RESULT 9
US-09-232-880-10
; Sequence 10, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:

```


; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232.880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-880-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCCGCC 25
|||
Db 68 GGCCGTGGTGACAGCTTCAGCCGCC 92

RESULT 10

US-09-895-793-10
; Sequence 10, Application US/09895793
; Publication No. US20020192763A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John H.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G

US-09-895-793-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCCGCC 25
|||
Db 68 GGCCGTGGTGACAGCTTCAGCCGCC 92

RESULT 11

US-09-895-814-10

; Sequence 10, Application US/09895814
; Publication No. US20020193296A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John H.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-09-895-814-10

Query Match 100.0%; Score 25; DB 9; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGGTGACAGCTTCAGCCGCC 25
|||
Db 68 GGCCGTGGTGACAGCTTCAGCCGCC 92

RESULT 12

US-10-012-896-10

; Sequence 10, Application US/10012896
; Publication No. US20020183251A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.

```
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-012-896-10

Query Match      100.0%; Score 25; DB 13; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGCGTGGTGACAGCTTCAGCCGCC 25
        |||||||
Db      68  GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 13
US-10-010-940-10
; Sequence 10, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010,940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
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; NAME/KEY: misc_feature
; LOCATION: (1)...(789)
; OTHER INFORMATION: n = A,T,C or G
US-10-010-940-10

Query Match      100.0%; Score 25; DB 14; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGCGTGGTGACAGCTTCAGCCGCC 25
        |||||||
Db      68  GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 14
US-10-144-678A-10
; Sequence 10, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
; LOCATION: 779, 783
; OTHER INFORMATION: n = A,T,C or G
US-10-144-678A-10

Query Match      100.0%; Score 25; DB 16; Length 789;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGCGTGGTGACAGCTTCAGCCGCC 25
        |||||||
Db      68  GCGCGTGGTGACAGCTTCAGCCGCC 92

RESULT 15
US-10-294-025-10
; Sequence 10, Application US/10294025
```

Publication No. US20030185830A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C29
CURRENT APPLICATION NUMBER: US/10/294,025
CURRENT FILING DATE: 2002-11-12
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 10
LENGTH: 789
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
LOCATION: 779, 783
OTHER INFORMATION: n = A,T,C or G
US-10-294-025-10

Query Match 100.0%; Score 25; DB 16; Length 789;
Best Local Similarity 100.0%; Pred.No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCGGTGGTGACAGCTTCAGCGGCC 92

RESULT 16

US-10-688-838-10
Sequence 10, Application US/10688838
Publication No. US20040141989A1
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427D4
CURRENT APPLICATION NUMBER: US/10/688,838
CURRENT FILING DATE: 2003-10-17
NUMBER OF SEQ ID NOS: 228
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 789
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9, 380, 451, 565, 582, 716, 718, 758, 762, 765, 768, 771,
LOCATION: 779, 783
OTHER INFORMATION: n = A,T,C or G
US-10-688-838-10

Query Match 100.0%; Score 25; DB 19; Length 789;
Best Local Similarity 100.0%; Pred.No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGTGGTGACAGCTTCAGCGGCC 25
Db 68 GGCGGTGGTGACAGCTTCAGCGGCC 92

RESULT 17

US-10-144-678A-1027
Sequence 1027, Application US/10144678A
Publication No. US20030157089A1
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William T.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals y de Bassols, Carlota
APPLICANT: Foy, Teresa M.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Deng, Ta
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C28
CURRENT APPLICATION NUMBER: US/10/144,678A
CURRENT FILING DATE: 2002-08-12
NUMBER OF SEQ ID NOS: 1033
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1027
LENGTH: 918
TYPE: DNA
ORGANISM: Homo sapiens
US-10-144-678A-1027

Query Match 100.0%; Score 25; DB 16; Length 918;
Best Local Similarity 100.0%; Pred.No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGTGGTGACAGCTTCAGCGGCC 25
Db 381 GGCGGTGGTGACAGCTTCAGCGGCC 405

RESULT 18

US-10-294-025-1027
Sequence 1027, Application US/10294025
Publication No. US20030185830A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C29
CURRENT APPLICATION NUMBER: US/10/294,025
CURRENT FILING DATE: 2002-11-12
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1027
LENGTH: 918
TYPE: DNA
ORGANISM: Homo sapiens
US-10-294-025-1027

Query Match 100.0%; Score 25; DB 16; Length 918;
Best Local Similarity 100.0%; Pred.No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCGGTGGTGACAGCTTCAGCGGCC 25
Db 381 GGCGGTGGTGACAGCTTCAGCGGCC 405

RESULT 19
US-10-012-896-1010
; Sequence 1010, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27

; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1010
; LENGTH: 1065

; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-012-896-1010

Query Match 100.0%; Score 25; DB 13; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
|||||
DB 579 GCGCGTGGTGACAGCTTCAGCGGCC 603

RESULT 20
US-10-144-678A-1010
; Sequence 1010, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1010
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-144-678A-1010

Query Match 100.0%; Score 25; DB 16; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
|||||
DB 579 GCGCGTGGTGACAGCTTCAGCGGCC 603

RESULT 21

US-10-294-025-1010
; Sequence 1010, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29

; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12

; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1010
; LENGTH: 1065

; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-294-025-1010

Query Match 100.0%; Score 25; DB 16; Length 1065;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
|||||
DB 579 GCGCGTGGTGACAGCTTCAGCGGCC 603

RESULT 22

US-10-005-907-12
; Sequence 12, Application US/10005907
; Publication No. US20030166881A1
; GENERAL INFORMATION:

; APPLICANT: Union Chimique Belge, S.A.
; APPLICANT: No. US20030166881A1ka, Karl

; APPLICANT: Pirozzi, Gregory
; APPLICANT: Einstein, Richard

; TITLE OF INVENTION: NOVEL GENES ASSOCIATED WITH ALLERGIC HYPERSENSITIVITY AND MAST CELL

; FILE REFERENCE: 053529-5005
; CURRENT APPLICATION NUMBER: US/10/005,907

```
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1662)
; OTHER INFORMATION:
US-10-005-907-12

Query Match      100.0%; Score 25; DB 16; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1125 GCGCGTGGTGACAGCTTCAGCGGCC 1149

RESULT 23
US-10-295-027-547
; Sequence 547, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 547
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-547

Query Match      100.0%; Score 25; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 0.12;
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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1125 GCGCGTGGTGACAGCTTCAGCGGCC 1149

RESULT 24
US-10-403-142-1
; Sequence 1, Application US/10403142
; Publication No. US20040162236A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-573A
; CURRENT APPLICATION NUMBER: US/10/403,142
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 08/969106
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 09/544511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/369065
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/604286
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/651200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 09/662783
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 09/688598
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 09/894159
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: 09/918779
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 09/964956
; PRIOR FILING DATE: 2001-09-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 242
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 1
; LENGTH: 1702
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21)..(1679)
US-10-403-142-1

Query Match      100.0%; Score 25; DB 19; Length 1702;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGCGTGGTGACAGCTTCAGCGGCC 25
Db 1145 GCGCGTGGTGACAGCTTCAGCGGCC 1169

RESULT 25
US-10-296-770-3
; Sequence 3, Application US/10296770
; Publication No. US20030104570A1
; GENERAL INFORMATION:
; APPLICANT: Cabezon Silva, Teresa Elisa Virginia
; APPLICANT: Delisse, Anne-Marie Eva Fernande
; TITLE OF INVENTION: Triple Fusion Proteins Comprising
; TITLE OF INVENTION: Ubiquitin Fused Between Thioedoxin and a Polypeptide of
; TITLE OF INVENTION: Interest
; FILE REFERENCE: B45221
; CURRENT APPLICATION NUMBER: US/10/296,770
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: PCT/EP01/06952
; PRIOR FILING DATE: 2001-06-19
```

; PRIOR APPLICATION NUMBER: GB 0015619.0
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: GB 0026484.6
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2133
; TYPE: DNA
; ORGANISM: Chimaeric (E. coli - human)
US-10-296-770-3

Query Match 100.0%; Score 25; DB 15; Length 2133;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 1572 GCGCGTGGTGACAGCTTCAGCCGCC 1596
|||||

RESULT 26

US-09-841-894-15
; Sequence 15, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLOSS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
LENGTH: 2143 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-09-841-894-15

Query Match 100.0%; Score 25; DB 9; Length 2143;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 224 GCGCGTGGTGACAGCTTCAGCCGCC 248
|||||

RESULT 27

US-09-841-894-16
; Sequence 16, Application US/09841894
; Publication No. US20020086301A1
; GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLOSS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,894
FILING DATE: 25-Apr-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 09/071,710
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2152 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-09-841-894-16

Query Match 100.0%; Score 25; DB 9; Length 2152;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGTGGTGACAGCTTCAGCCGCC 25
Db 232 GCGCGTGGTGACAGCTTCAGCCGCC 256
|||||

RESULT 28

US-10-295-027-901
; Sequence 901, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afari, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 901
; LENGTH: 2582
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(2582)
; OTHER INFORMATION: n = g, a, c or t
; US-10-295-027-901

Query Match 100.0%; Score 25; DB 17; Length 2582;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGTCAGCTTCAGCCGCC 25

Db 1434 GGCCGTGTCAGCTTCAGCCGCC 1458

RESULT 29

US-09-759-143-703
; Sequence 703, Application US/09759143
; Patent No. US2002022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-759-143-703

Query Match 100.0%; Score 25; DB 9; Length 2904;

Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCGTGTCAGCTTCAGCCGCC 25

Db 980 GGCCGTGTCAGCTTCAGCCGCC 1004

RESULT 30

US-09-780-669-703
; Sequence 703, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 703
; LENGTH: 2904
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-780-669-703

Query Match 100.0%; Score 25; DB 9; Length 2904;

Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCCGTGGTGACAGCTTCAGCGCC 25
|||
Db 980 GGCCGTGGTGACAGCTTCAGCGCC 1004

Search completed: June 16, 2005, 04:05:38
Job time : 459.547 secs